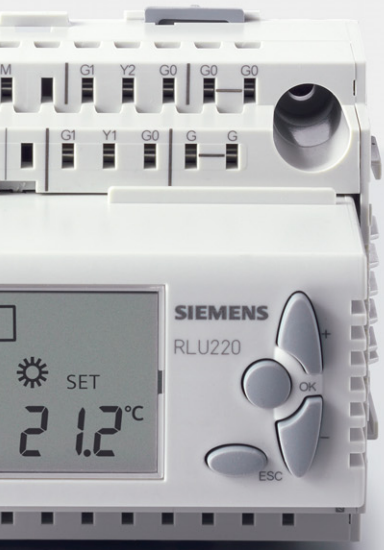
Synco 200 – Guida alla configurazione



Answers for infrastructure.

SIEMENS

Synco® 200 – Guida alla configurazione

Questa guida fornisce le istruzioni base per configurare e avviare i regolatori Synco® 200. Contiene le tabelle che mostrano tutti i simboli ed i testi che vengono utilizzati con il Synco® 200. Inoltre tutte le applicazioni sono visualizzate con lo schema d'impianto per aiutare a trovare il regolatore necessario e il corrispondente numero di applicazione pre-programmata.

Questo libretto riassume e fornisce tutte le necessarie informazioni base per configurare i regolatori Synco® 200 in modo facile, comodo ed efficente.

Se si necessita di maggiori informazioni dettagliate si prega di consultare il manuale Synco® 200 n. P3101it o il proprio responsabile di zona Siemens.

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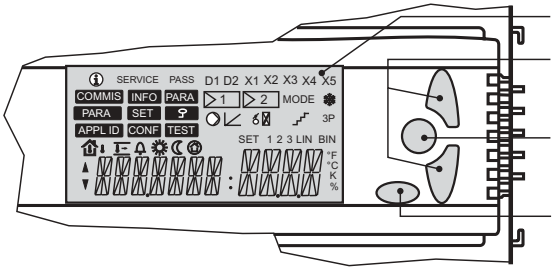
Introduzione

Elementi d'impiego e simboli

Elementi operativi



1 **Display**

2 **Pulsanti di navigazione** – per selezionare linee menu o impostare un valore

3 **Pulsante OK** – per confermare linee o valori del menu

4 **Pulsante ESC** – per ritornare al menu precedente o rifiutare la correzione impostata

Simboli e caratteri sul display

ⓘ	Pagine informative		Temperatura esterna
SERVICE	Livello Service		Temperatura ambiente
PASS	Livello Password		Temperatura aria di mandata
SET	Setpoint		Protection
▲ ▼	Frecce di navigazione		Regime "Comfort"
	Allarme		Regime "Economy"
	Protezione antigelo	1	Regolatore 1 (o 2)

Simboli e caratteri a livello service e password

COMMIS	Commissioning, MIS	INFO	Informazioni ingressi/uscite
PARA	Parametri		Accesso bloccato
APPL ID	Identificativo Applicazione	SET	Valori di setpoint
CONF	Configurazione	MODE	Regime d'impiego
TEST	Test collegamenti		Protezione antigelo
	Pompa		Inseritore a gradini (variabile)
	Uscita analogica (0-10 V)	3P	Uscita a 3-punti
	Serrande miscela / Recup. calore	LIN	Inseritore a gradini Lineare
		BIN	Inseritore a gradini Binario

Elenco delle abbreviazioni

°C	Gradi Celsius
°F	Gradi Fahrenheit
%OPEN	% apertura per temperatura esterna
0.0	Universale, -99,9...+99,9
0000	Universale, 0...9999
0–10	0...10 V DC
2xNI	2 sonde Ni1000 (in parallelo)
3P	3-punti
3-POINT	Uscita a 3-punti
A	Tipo base A, reg. temp. ambiente
ACCESS	Livelli di accesso
ACK	Riconoscimento allarme
ACTING	Loop di controllo riconosc. gelo
ACTTIME	Tempo corsa servocomando
ADAP	Tipo d'impianto adattato
ALM OFF	Relè ventilatore
AO	Uscita analogica (0-10V)
APPL ID	Configurazione base
CAS/CON	Ingresso commutaz. Casc/Costante
CASC	Cascata
CAUTION NEW	Attenzione! Nuova configurazione
CH OVER	Impianto a 2-tubi, riscald./raffred.
CLOS	In chiusura
CLSD	Chiuso
CMF	Comfort
CMP1D	Delta setpoint compensaz. 1 [invern.]
CMP1END	Setpoint fine compensaz. 1
CMP1STT	Setpoint inizio compensaz. 1
CMP2D	Delta setpoint compensaz. 2 [estivo]
CMP2END	Setpoint fine compensaz. 2
CMP2STT	Setpoint inizio compensaz. 2
CNST	Costante
CO SEQ1	Commutazione sequenza 1
CO SEQ2	Commutazione sequenza 2
CO SEQ4	Commutazione sequenza 4
CO SEQ5	Commutazione sequenza 5
COMMIS	Commissioning, (MIS)
CONFIG	Configurazione extra
COOL	Cooling (raffreddamento)
COOLER	Valvola btr. raffreddamento
CORR	Correzione
CTL1	Regolatore 1
CTL2	Regolatore 2
CTLOOP 1	Loop di controllo 1
CTLOOP 2	Loop di controllo 2
DIFF	Ingresso differenziale
DIG	Protezione antigelo
DIG	Digitale
DLY OFF	Ritardo allo spegnimento (off)
DMP	Damper (serrande di miscela)
DV ALM	Deviazione allarme
DV DLYH	Ritardo allarme deviazione superiore
DV DLYL	Ritardo allarme deviazione inferiore
ECO	Economy
ERC	Recuperatore di calore
FROST	Protezione antigelo
FRST	Protezione antigelo
HEAT	Heating (riscaldamento)
HREC	Serrande di miscela/HR
INFO	Informazioni ingressi/uscite
IN X	Preselezione esterna (0-10 V)
INVALID	Attenzione! Impostazione errata
INVERS	Inversione
KICK	Periodo antigrippaggio
LABEL	Identificativo ingresso
LIM	Limite generale (min e max)
LIM DHI	Differenziale sonda lim/amb. superiore
LIM DLO	Differenziale sonda lim/amb. inferiore
LIM MAX	Valore limite max
LIM MIN	Valore limite minimo
LIM TN	Tempo integrale Tn limite
LIM XP	Banda proporzionale Xp limite
LOCK S1	Blocco seq. 1 per temp.esterna > a...
LOCK S2	Blocco seq. 2 per temp.esterna > a...
LOCK S4	Blocco seq. 4 per temp.esterna < a...
LOCK S5	Blocco seq. 5 per temp.esterna < a...
MAIN	Variabile principale di controllo
MAINALM	Allarme variabile principale
MAT	Temperatura Aria di Miscela
MAT XP	Banda proporz. Xp Temp. Aria di Miscela
MAT TN	Tempo integrale Tn Temp. Aria di Miscela
MAX	Limitazione max
MAX	Massimo
MAX POS	Massimo segnale di posizionamento
MAX VAL	Valore max superiore
MECH 1	Ingresso 1 (es. temp.est.) MECH
MECH 2	Ingresso 2 (temp.amb.) MECH
MECHSET	Setpoint MECH
MIN	Limitazione di minima
MIN	Minimo
MIN POS	Minimo segnale di posizionamento
MIN VAL	Valore minimo inferiore
MODE	Modalità operativa
NI	Sonda passiva Ni1000
NO	No
NO	Nessuno
NORMPOS	Normale posizione
OFF	Off
OFF TN	Tempo integrale Tn "OFF"
OFF XP	Banda proporzionale Xp "OFF"
OFFTIME	Tempo di pausa
OFF-Y	OFF segnale Y
OHM	Ω
OK	✓
ON	On
ON DLY	Ritardo avviamento
ON-OUTS	Avviamento per temp. esterna
ON-Y	Punto d'inserzione (0-100%)
OPEN	Apertura
OPEN	Aperto
OPMODE	Ingresso preselez. regime funzionamento
ORIG	Tipo impianto originale (non adattato)
OUTS	Temperatura esterna
OUTSIDE	Valore istantaneo temp. esterna

PASS	Livello password
PASSWRD	Inserire password
PASSWRD	Password
PRIO CH	Priorità commutazione
PRT	Protezione
PT	Platino 1000
PUMP 1	Pompa 1
PUMP 2	Pompa 2
PUMP 3	Pompa 3
REM1	Potenziometro setpoint reg. 1
REM2	Potenziometro setpoint reg. 2
ROOM	Temperatura ambiente (reg.1)
ROOM	Valore istantaneo temp. ambiente
ROOM TN	Tempo integrale Tn ambiente
ROOM XP	Banda prop. Xp ambiente
S V1	Inserit. gradino variabile 1
S V2	Inserit. gradino variabile 2
S1-OFF	[Gradino 1] OFF
S1-ON	[Gradino 1] ON
S2-OFF	[Gradino 2] OFF
S2-ON	[Gradino 2] ON
S3-OFF	[Gradino 3] OFF
S3-ON	[Gradino 3] ON
S4-OFF	[Gradino 4] OFF
S4-ON	[Gradino 4] ON
S5-OFF	[Gradino 5] OFF
S5-ON	[Gradino 5] ON
S6-OFF	[Gradino 6] OFF
S6-ON	[Gradino 6] ON
SAT	Temp. Aria mandata (supply)
SBIN	Gradino tipo binario
SEQ	Limite sequenza (min o max)
SEQ MOD	Tipo di limite
SEQ SEL	Selezione sequenza
SEQ SET	Setpoint limite SEQ
SEQ XP	Banda prop. Xp lim SEQ
SEQ TN	Tempo integrale Tn lim SEQ
SEQ1	Sequenza 1
SEQ1 P	[Sequenza 1] pompa
SEQ1 TN	[Sequenza 1_] Tn
SEQ1 TV	[Sequenza 1_] Tv
SEQ1 XP	[Sequenza 1_] Xp
SEQ1 Y	[Sequenza 1] segnale
SEQ2	Sequenza 2
SEQ2 P	[Sequenza 2] pompa
SEQ2 TN	[Sequenza 2\ .._] Tn
SEQ2 TV	[Sequenza 2\ .._] Tv
SEQ2 XP	[Sequenza 2\ .._] Xp
SEQ2 Y	[Sequenza 2] segnale
SEQ4	Sequenza 4
SEQ4 P	[Sequenza 4] pompa
SEQ4 TN	[Sequenza 4 _/] Tn
SEQ4 TV	[Sequenza 4 _/] Tv
SEQ4 XP	[Sequenza 4 _/] Xp
SEQ4 Y	[Sequenza 4] segnale
SEQ5	Sequenza 5
SEQ5 P	[Sequenza 5] pompa
SEQ5 TN	[Sequenza 5 _.. /] Tn
SEQ5 TV	[Sequenza 5 _.. /] Tv
SEQ5 XP	[Sequenza 5 _.. /] Xp
SEQ5 Y	[Sequenza 5] segnale
SERV	Livello Service
SET MAX ☼	Setpoint Comfort superiore (raffred.)
SET MAX ☾	Setpoint Economy superiore (raffred.)
SET MIN ☼	Setpoint Comfort inferiore (riscald.)
SET MIN ☾	Setpoint Economy inferiore (riscald.)
SETCLIM	Setpoint limite raffreddamento
SETCOOL ☼	Setpoint Comfort raffreddamento
SETCOOL ☾	Setpoint Economy raffreddamento
SETHEAT ☼	Setpoint Comfort riscaldamento
SETHEAT ☾	Setpoint Economy riscaldamento
SETHLIM	Setpoint limite riscaldamento
SET-OFF	Setpoint OFF protezione antigelo
SET-ON	Setpoint ON protezione antigelo
SETPOINT	Setpoint
SETTING	Impostazioni
SHIFT	Compensazione universale
SIGNALY	Valore segnale d'uscita
SLIN	Inseritore a gradino Lineare
START OK	Attenzione! Avvio impianto
STATUS	Stato apparecchiatura
STEP 1	Gradino 1
STEP 2	Gradino 2
STEP 3	Gradino 3
STEP 4	Gradino 4
STEP 5	Gradino 5
STEP 6	Gradino 6
STEP V1	Gradino variabile 1
STEP V2	Gradino variabile 2
STEPBIN	Inser. gradini tipo binario
STEPLIN	Inser. gradini tipo lineare
STOP OK	Attenzione! Fermo impianto
STRATGY	Strategia di controllo
STUP-TI	Tempo avvio (Startup time)
SU DMAX	Differenziale sonda man/amb. superiore
SU DMIN	Differenziale sonda man/amb. inferiore
SU MAX	Max temp. aria di mandata
SU MIN	Min temp. aria di mandata
SUM-D	Delta compens. estiva (seq 4 e 5)
SUM-END	Fine compensazione estiva
SUM-STT	Inizio compensazione estiva
SW-VERS	Versione software
TIMEOUT	Tempo di pausa
TOOLING	Blocco d'impiego
TYPE	Tipo
TYPE	Identificazione
U	Regolatore tipo base U
UNIT	Unità
USER	Livello utente
VALUES	Ingressi/uscite
WIN-D	Delta compensaz. invernale (seq 1 e 2)
WIN-END	Fine compensazione invernale
WIN-STT	Inizio compensazione invernale
WIRING TEST	Test collegamenti
XP	Banda proporzionale Xp
YES	Si
YES	Riconoscimento manuale
YES3	Riconosc. automatico 3x

Configurazione

Visualizzazione livelli di accesso

Come muoversi all'interno dei diversi livelli d'accesso

Livello Utente

Accesso alla pagina info e menu setpoint

Premere OK + ESC

Visualizzazione menu
(vedi pag. 8)

Livello Service

Accesso alla pagina info e selezione menu

Premere OK + ESC

Visualizzazione menu
(vedi pag. 10)

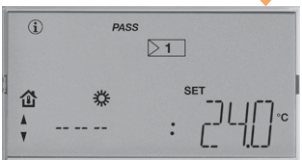
Livello Password

Accesso a tutti i menu

Premere OK + ESC

Premere OK

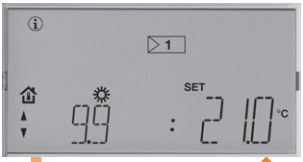
Selezionare 2
Premere OK

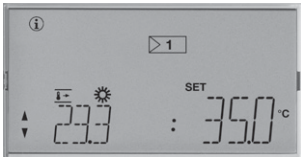


Visualizzazione menu
(vedi pag. 12)

Visualizzazione navigazione – livello USER (utente)

Pagine info





Pag. Info visualiz. valori istantanei,

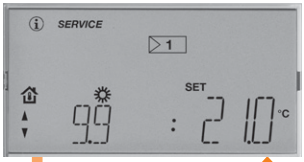
Menu setpoint

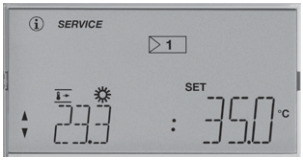
SET per impostare i setpoint
(vedi pag. 18)

setpoint, messaggi d'allarme ed altri dati utente rilevanti (vedi pag. 20)

Visualizzazione navigazione – livello SERVICE

Pagine info





Pag. info visualiz. valori istantanei,

Impostazioni menu

INFO visualizza tutti gli ingressi e le uscite
(vedi pag. 17)

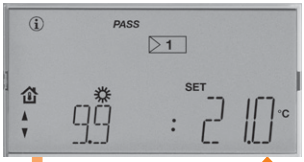
PARA per definire i parametri
(vedi pag. 16)

setpoint, messaggi d'allarme ed altri dati utente rilevanti (vedi pag. 20)

SET per definire i setpoint (vedi pag. 18)

Visualizzazione navigazione – livello PASSWORD

Pagine Info



Pag. Info visualiz. valori istantanei,

Impostazioni menu

INFO visualizza tutti gli ingressi e le uscite (vedi pag. 17)

Menu Commissioning
(vedi pag. 16)

PARA per definire i parametri

SET per impostare i setpoint

setpoint, messaggi d'allarme e altri dati rilevanti (vedi pag. 20)

PARA per definire
i parametri (vedi pag. 16)

SET per definire i setpoint
(vedi pag. 18)

APPL ID per selezionare
una applicazione

CONF per definire
la configurazione

TEST per verificare gli in-
gressi e simulare le uscite

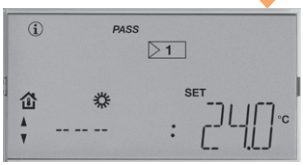
Messa in servizio

1 Come inserire la password di protezione

Premere OK + ESC

Premere OK

Premere OK



2 Come selezionare l'applicazione preprogrammata (APPL ID)

Pagina Info a livello password

Premere OK

Impostazione menu

Premere OK

Stop impianto

Premere OK

Menu COMMIS

Selezionare APPL ID

Menu APPL ID

Premere OK

3 Come avviare una applicazione programmata

Numero dell'applicazione

Premere OK, selezionare un numero, premere OK

Attenzione reset configurazione

Premer OK

Menu parametri (per definire i parametri vedi pag. 16)

Premere ESC

Avvio impianto

Premere OK

Menu COMMIS

Premere ESC

Pagina Info

Configurazione

4 Come modificare e impostare una configurazione

- Come impostare una applicazione (APPL ID)
- Come modificare una applicazione standard (CONF)
- Come definire i parametri (PARA)
- Come verificare i collegamenti d'ingresso e d'uscita (TEST)
- Come impostare i setpoint (SET)

Nel menu COMMIS

Menu Applicazione:
Selezionare APPL ID
(vedi pag. 14)

...selezionare una applicazione

Premere OK

Selezionare un numero

Menu Configurazione:
Selezionare CONF

...modificare o definire una applicazione

Premere OK

Selezionare un ingresso o un blocco

Menu Parametri:
Selezionare PARA

...definire i parametri

Premere OK

Selezionare un ingresso o un blocco

Menu Wiring test:
Selezionare TEST

...test ingressi e uscite

Premere OK

Selezionare gli ingressi e le uscite

Menu Setpoint:
Selezionare SET
(vedi pag. 18)

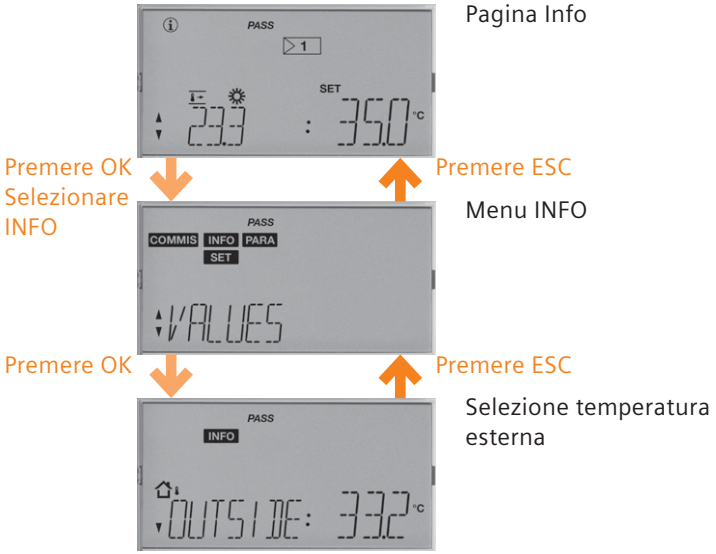
...definire i setpoint

Premere OK

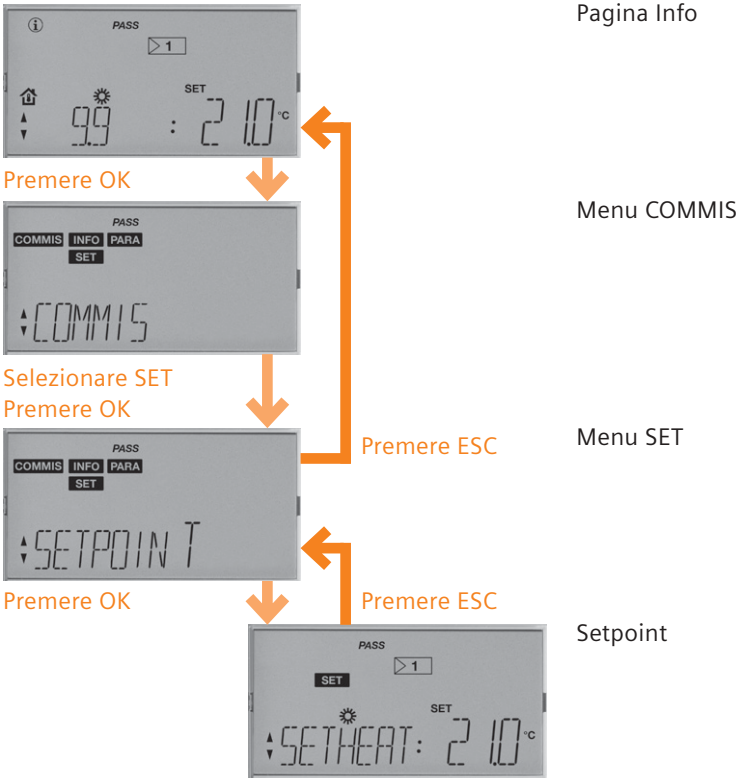
Definire il setpoint riscaldamento

5 Come verificare gli ingressi e le uscite (INFO)
(solo a livello password)

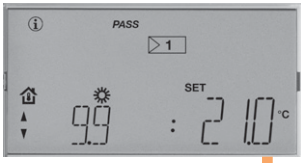
Questo menu consente di analizzare tutti i valori d'ingresso e di uscita e verificare lo stato dell'impianto.



6 Come definire i setpoint (SET)
(in tutti i livelli)



7 Come proteggere le impostazioni selezionando il livello USER

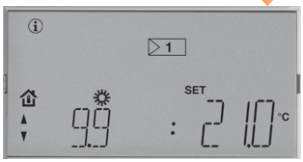


Pagina Info a livello password

Premere OK + ESC
Selezionare USER

Selezionare il livello USER

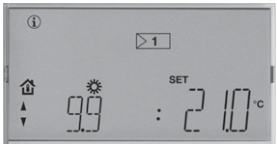
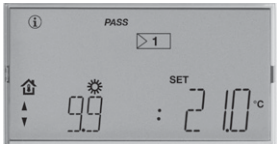
Premere OK



Pagina Info a livello USER

Visualizzazione pagine Info

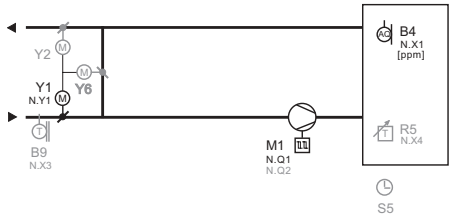
Il numero ed i contenuti delle pagine Info dipendono dall'applicazione installata

Livello USER	Livello Service e Password	Descrizione
		Visualizza la temperatura ambiente istantanea ed il setpoint
		Visualizza la temperatura aria di mandata istantanea e calcola il setpoint o il limite di temperatura
		Visualizza tutte le sequenze configurate. La sequenza attiva lampeggia
		Visualizza la temperatura esterna
		Visualizza lo stato delle uscite analogiche [V]. Y1=3V, Y2=0V, Y3=non utilizzato
		Visualizza lo stato delle uscite a relè Q1.Q3 (I=On, 0=Off). Q1=On, Q2=Off, Q3=Off
		Visualizza lo stato delle uscite a relè Q4.Q6 (I=On, 0=Off).
		Questa pagina appare solo a fine lavoro. Altrimenti si può visualizzare un messaggio di allarme.

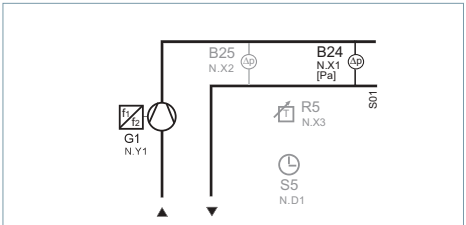
Applicazioni preprogrammate e da programmare

1. Applicazioni Unità Trattamento Aria

1.01 Controllo pressione aria e qualità dell'aria



RLU222 APPL ID: U06



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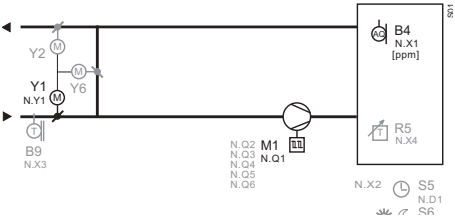
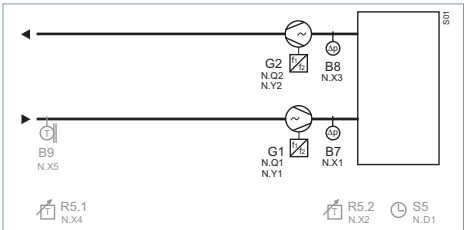


RLU236 APPL ID: U06



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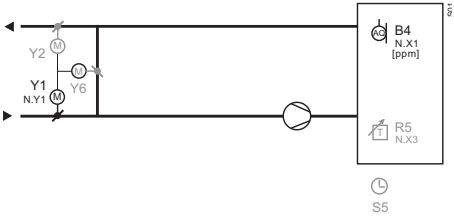

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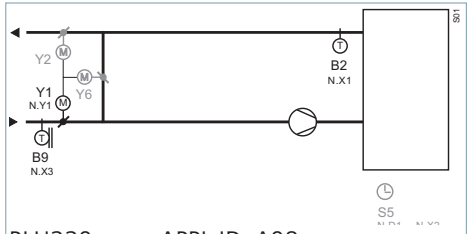

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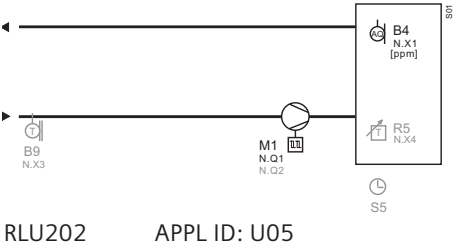

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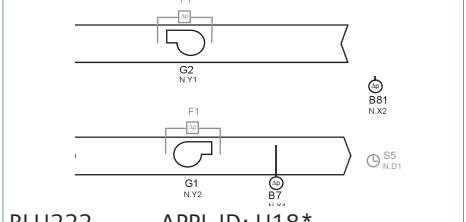
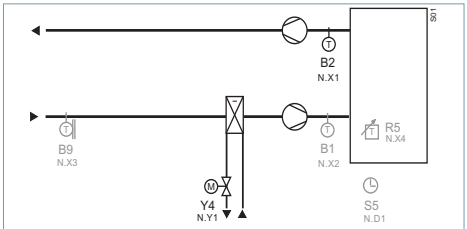


RLU222 APPL ID: U18*

*** NOTA BENE:** La documentazione delle applicazioni disponibili è reperibile sul sito: www.siemens.it/applicazionisynco200

1.02 Controllo temperatura: batteria di raffreddamento



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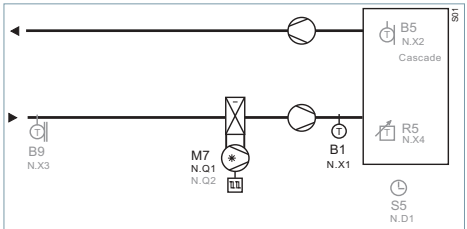

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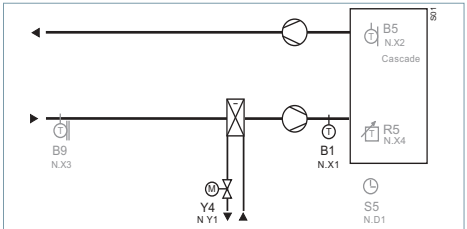

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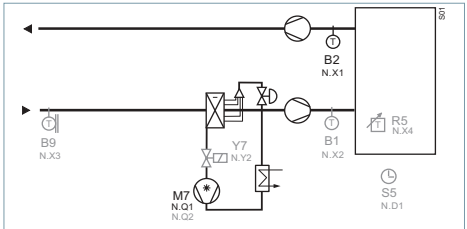

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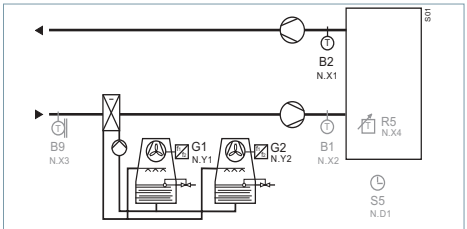

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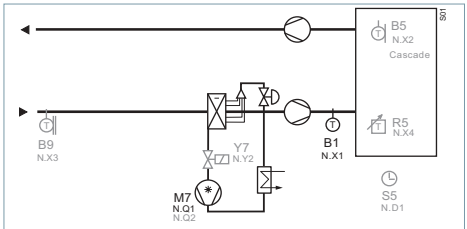

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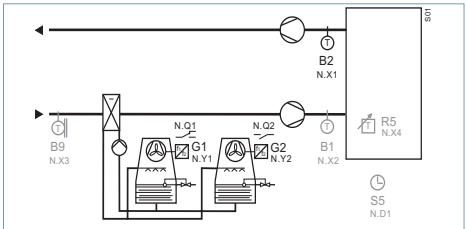

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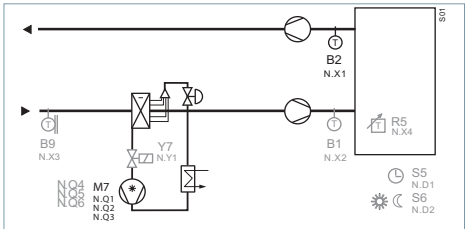

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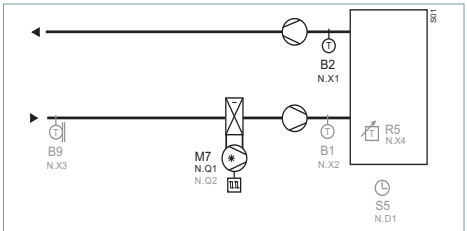

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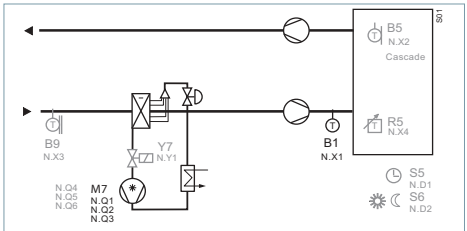

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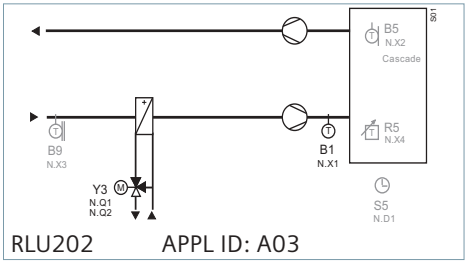
1.03 Controllo temperatura: batteria di riscaldamento ad acqua



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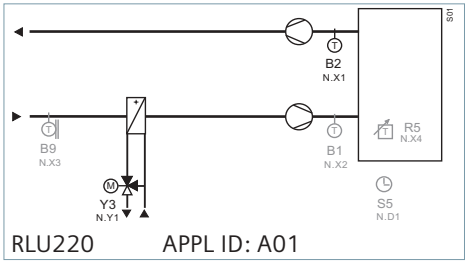

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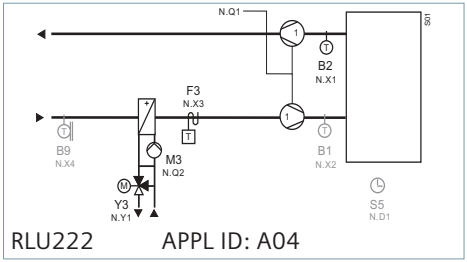

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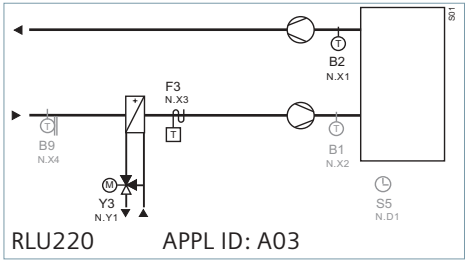

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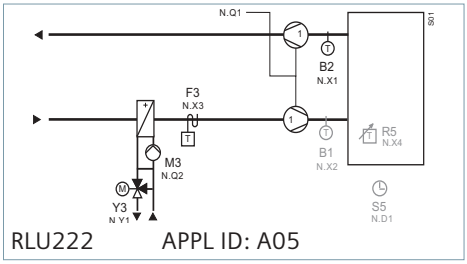

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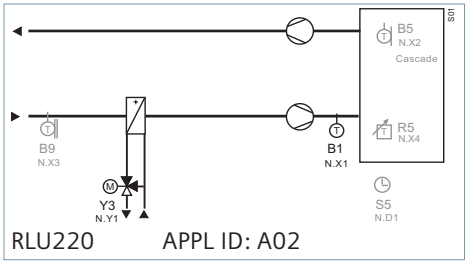

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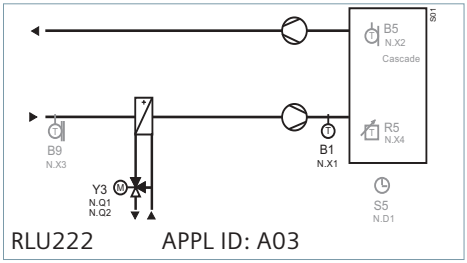

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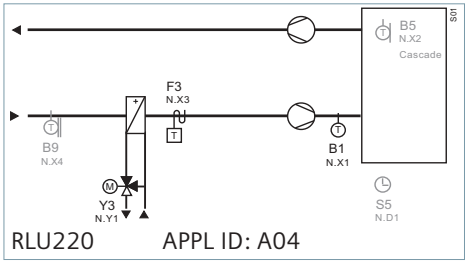

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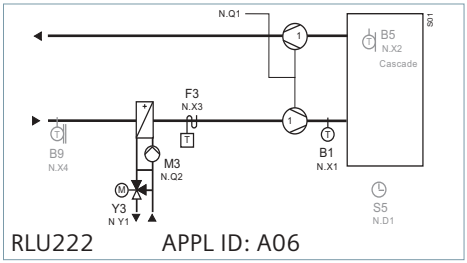

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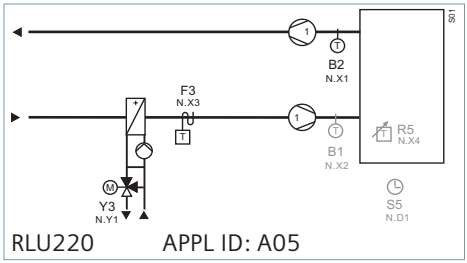

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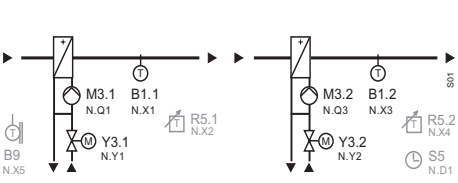

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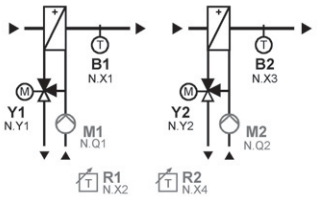
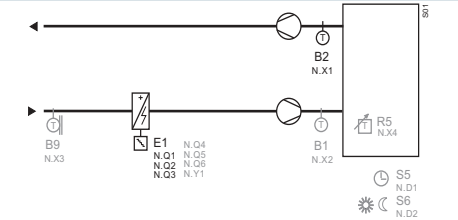


Vedi RLU222 ABA002LU2ita*

*** NOTA BENE:**
La documentazione delle applicazioni disponibili è reperibile sul sito:
www.siemens.it/applicazionisynco200

1.04 Controllo temperatura: batteria di riscaldamento a resistenze elettriche



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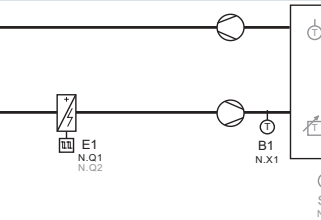

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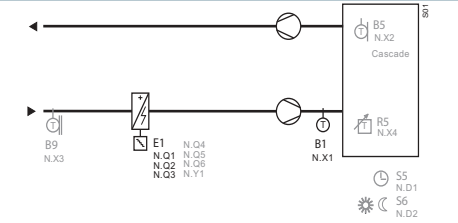

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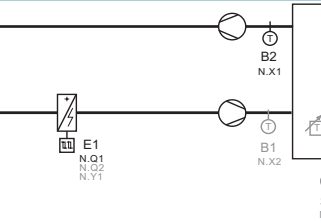

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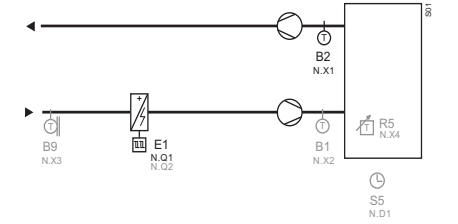

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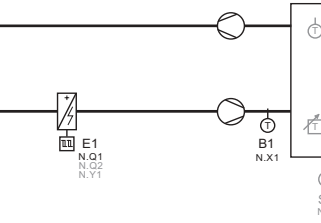
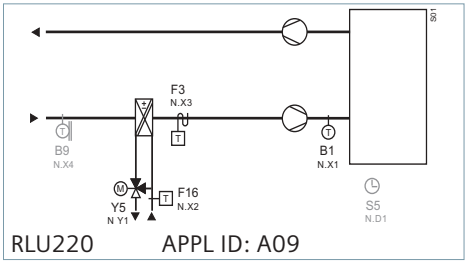


RLU222 APPL ID: A02

1.05 Controllo temperatura: batteria di riscaldamento, batteria di raffreddamento, ad acqua



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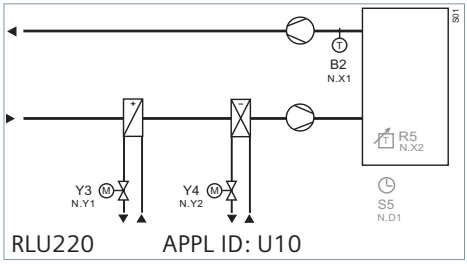

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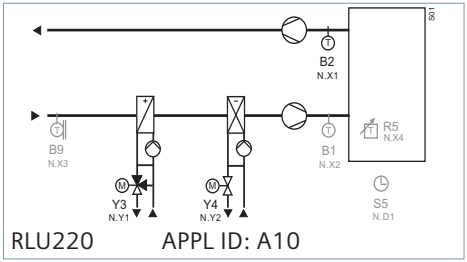

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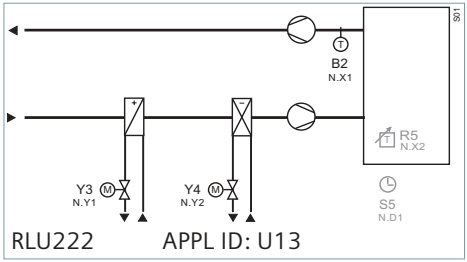

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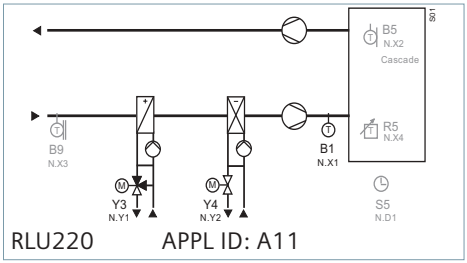

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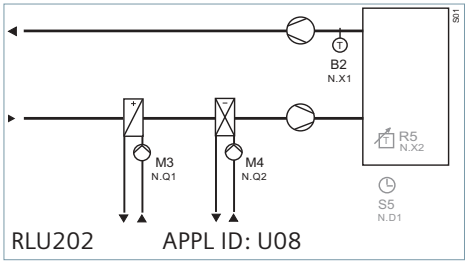

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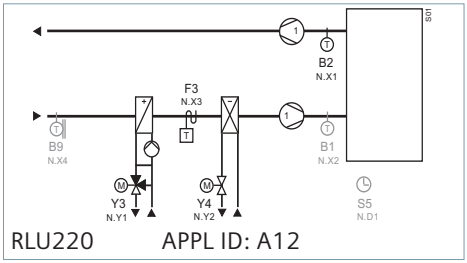

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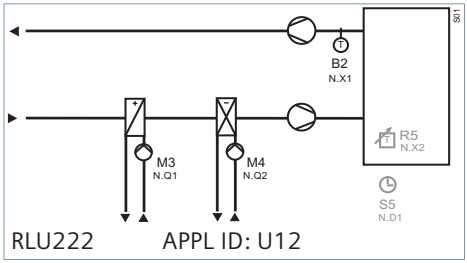

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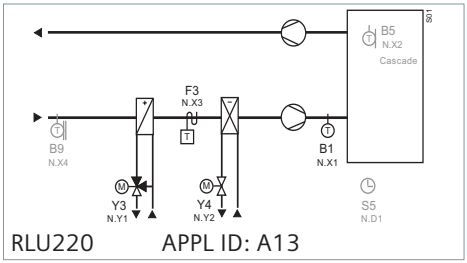

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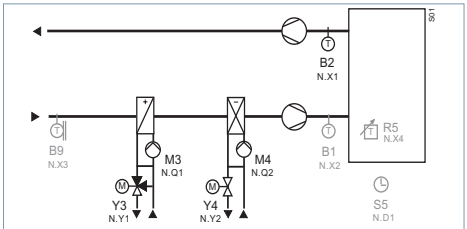

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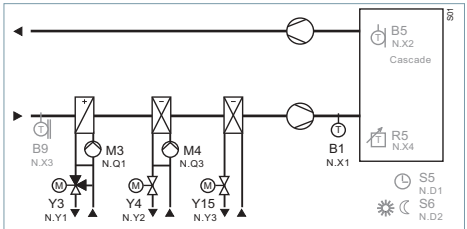

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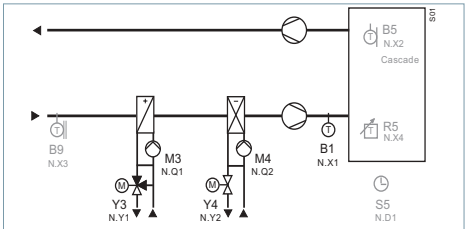

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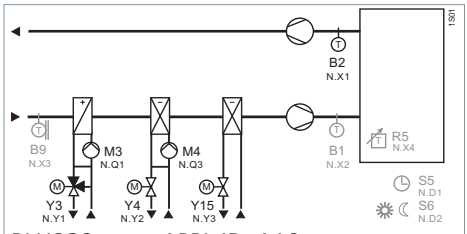

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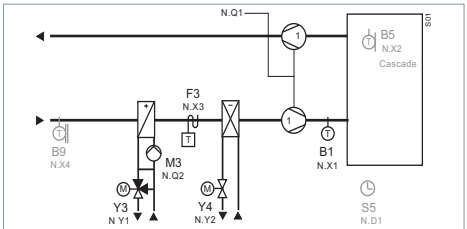

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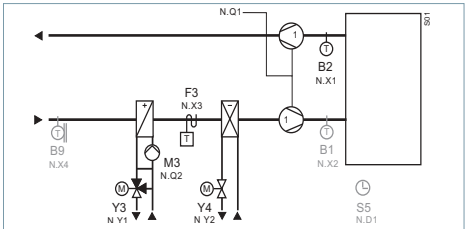

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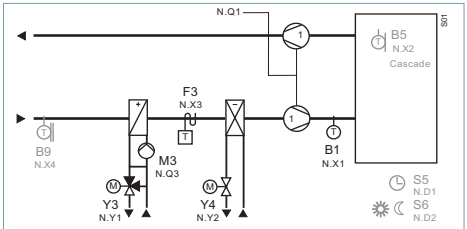
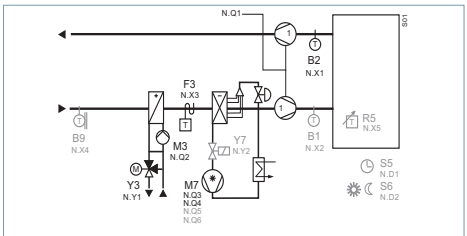
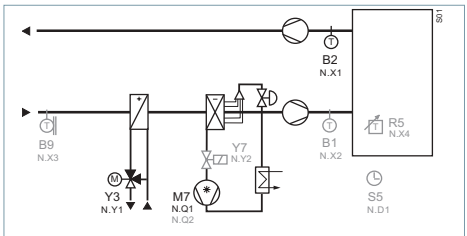


RLU232 APPL ID: A03

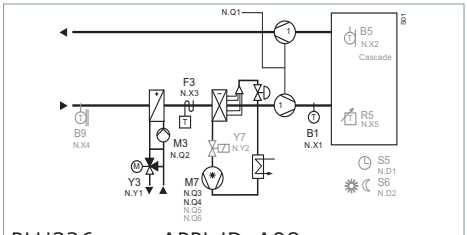
1.06 Controllo temperatura: batteria di riscaldamento, batteria di raffreddamento, gruppo frigo



RLU236 APPL ID: A07



RLU222 APPL ID: A13



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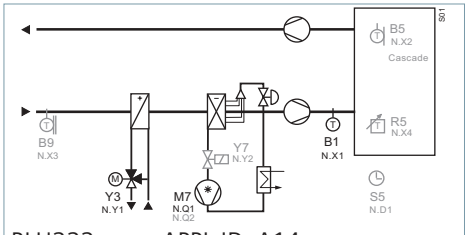
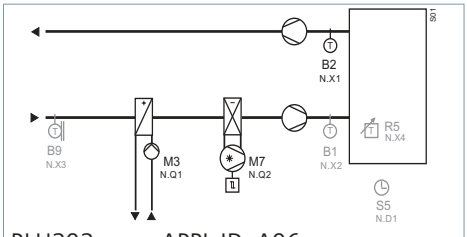


RLU222 APPL ID: A14



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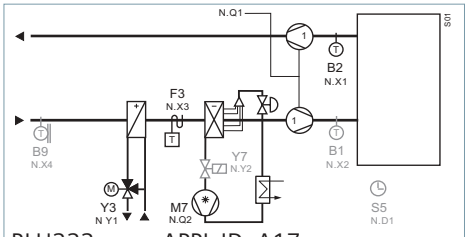

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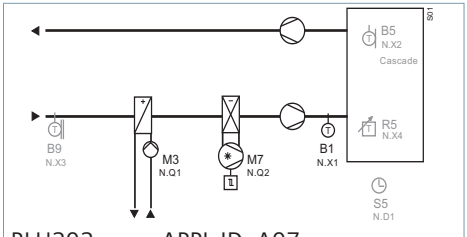

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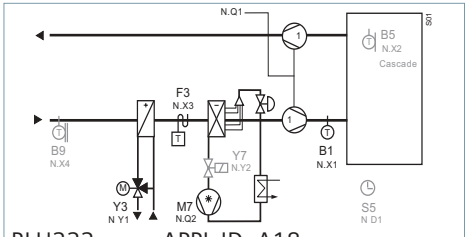
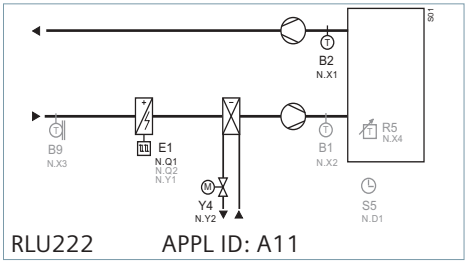


RLU222 APPL ID: A18

Applicazioni

1.07 Controllo temperatura: batteria a resistenze elettriche, batteria di raffreddamento



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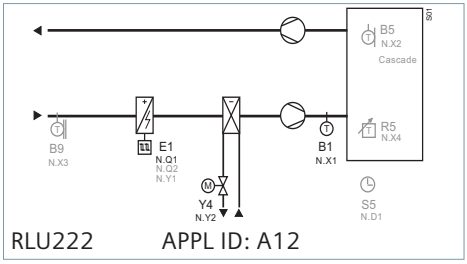
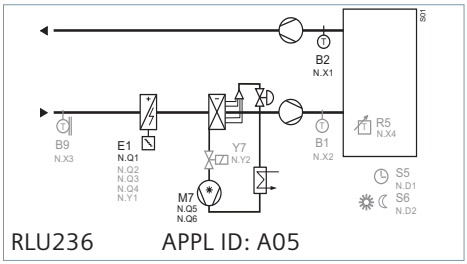


RLU222 APPL ID: A12



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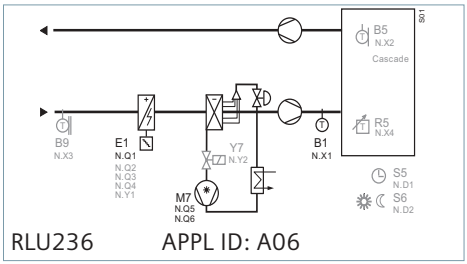
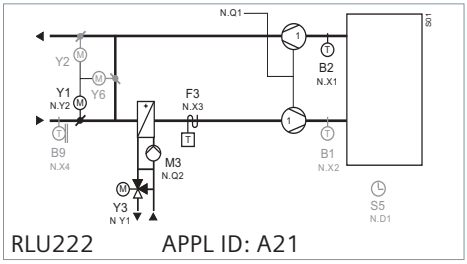


RLU236 APPL ID: A06

1.08 Controllo temperatura: serrande miscela/recup. di calore, batteria di riscaldamento



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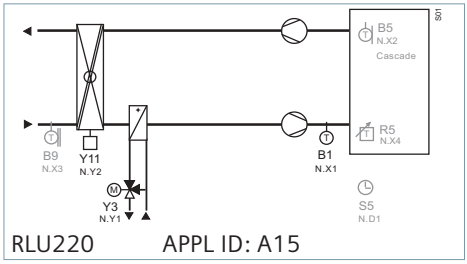
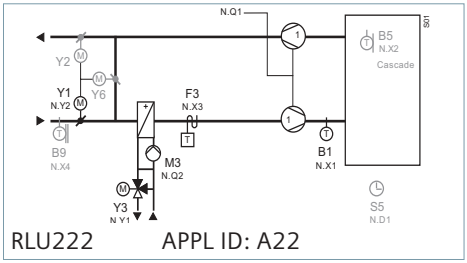


RLU220 APPL ID: A15



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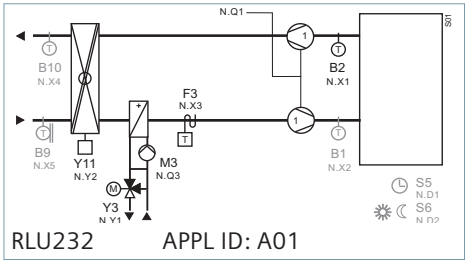

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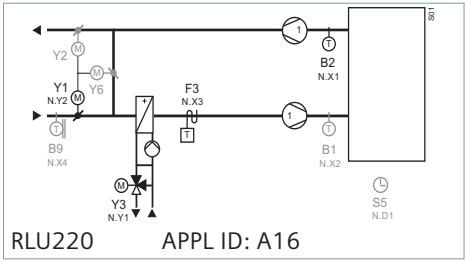

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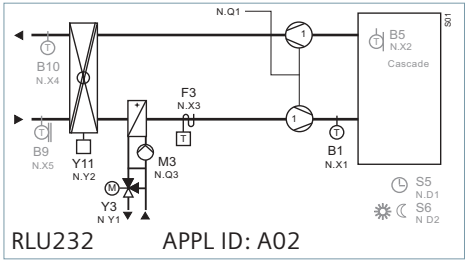

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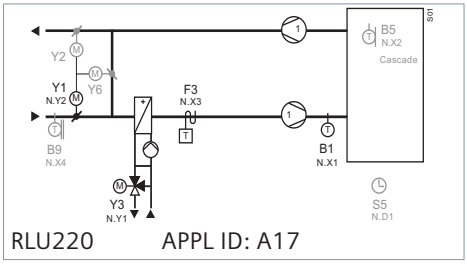

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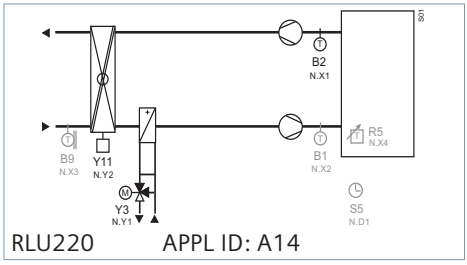

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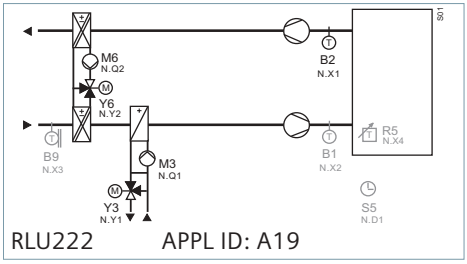

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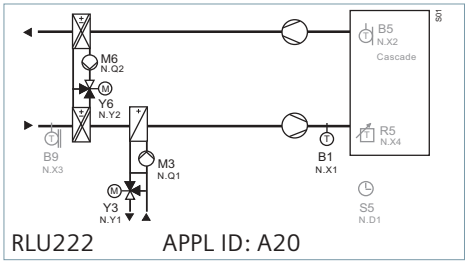
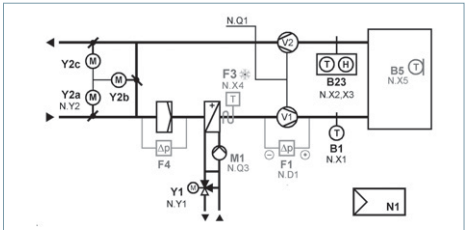


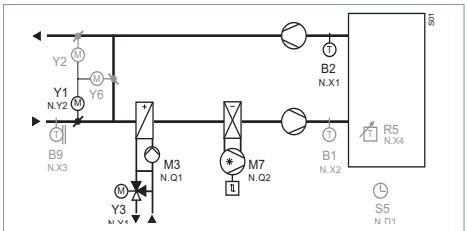
RLU222 APPL ID: A20

Applicazioni



Vedi RLU222 AEAD04LU3ita*

1.09 Controllo temperatura: serrande miscela, batteria di riscaldamento, btr. di raffreddamento



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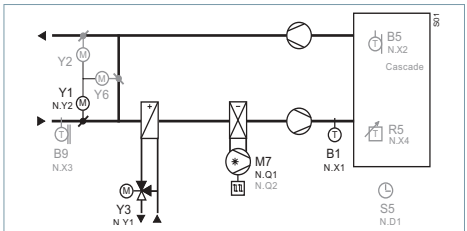

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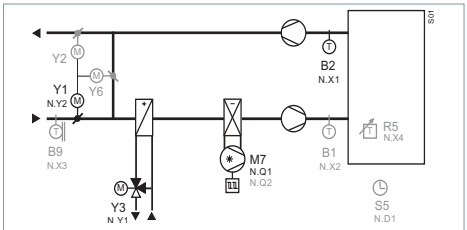

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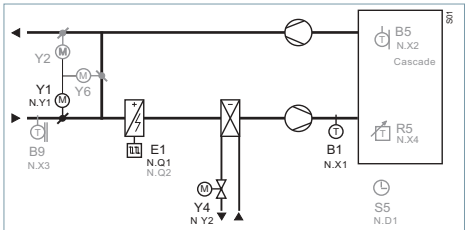

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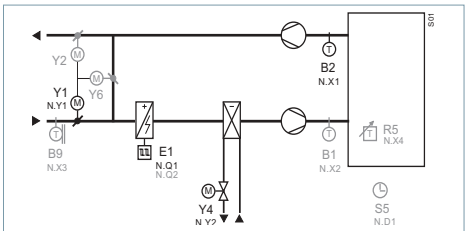

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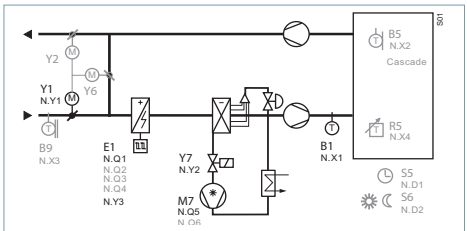
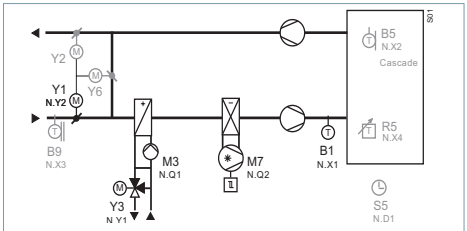


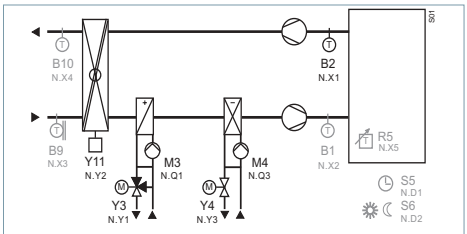
RLU236 APPL ID: A14



RLU222 APPL ID: A25

*** NOTA BENE:**
La documentazione delle applicazioni disponibili è reperibile sul sito:
www.siemens.it/applicazionisynco200

1.10 Controllo temperatura: recuperatore di calore, batteria di riscaldamento, batteria di raffreddamento



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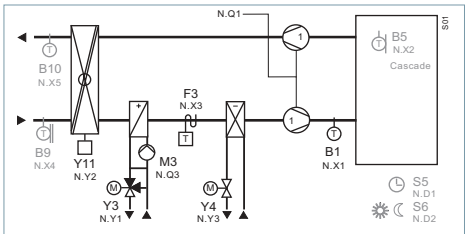
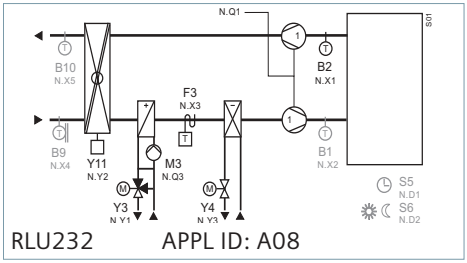


RLU232 APPL ID: A09



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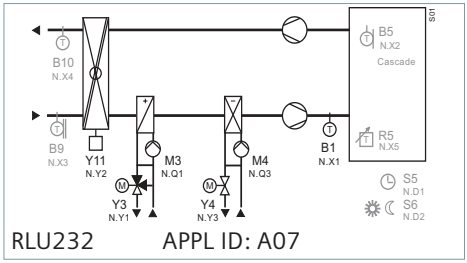

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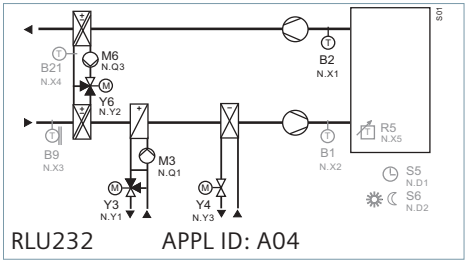

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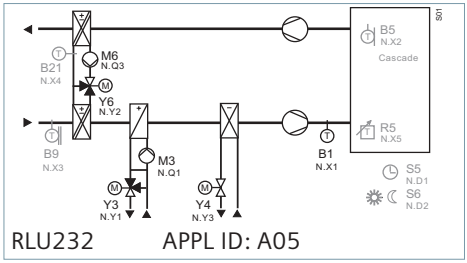

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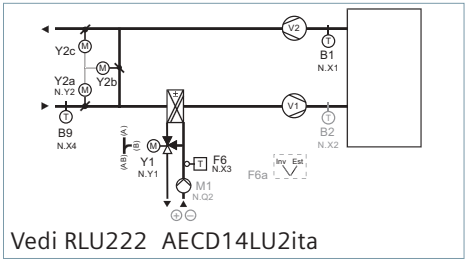
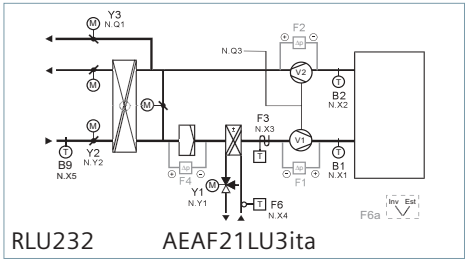


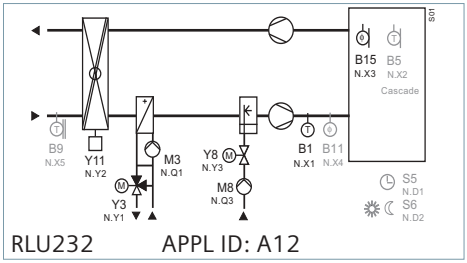
Vedi RLU222 AECD14LU2ita



RLU232 AEAF21LU3ita

Applicazioni

1.11 Controllo temperatura e umidità: serrande/recuperatore, batteria riscaldamento, batteria raffreddamento, umidificatore



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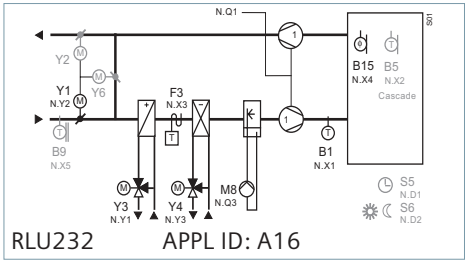

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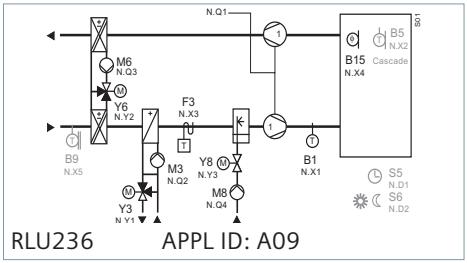

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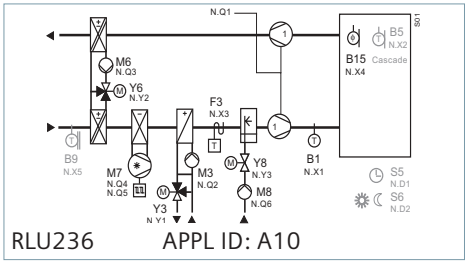
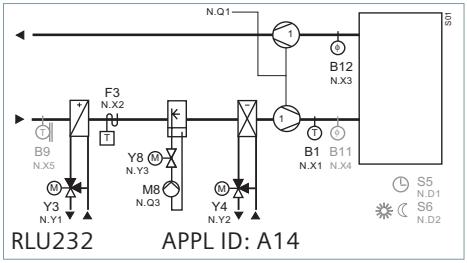


RLU236 APPL ID: A10

1.12 Controllo temperatura e umidità: batteria riscaldamento, umidificatore, batteria raffreddamento



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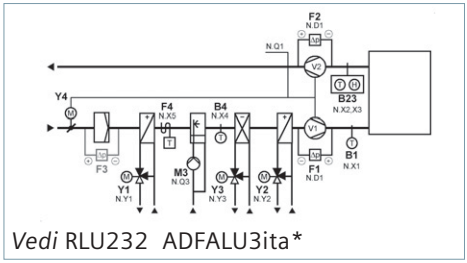
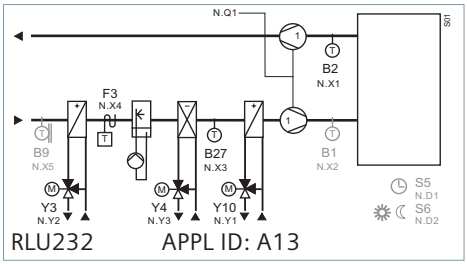


Vedi RLU232 ADFALU3ita*



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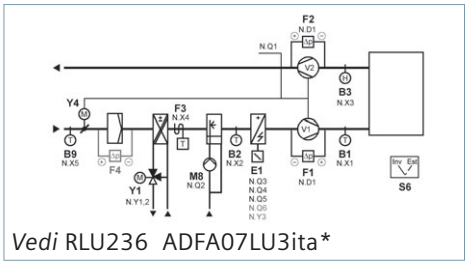
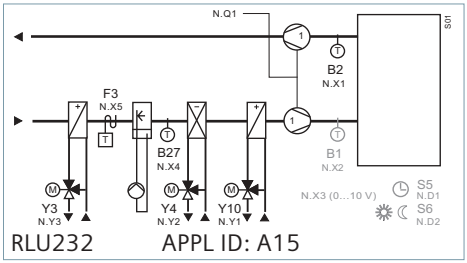


Vedi RLU236 ADFA07LU3ita*

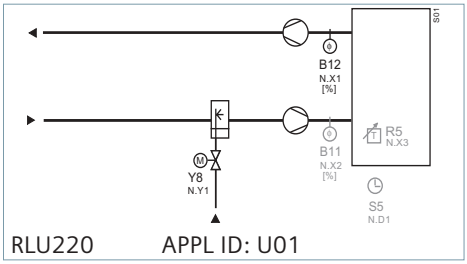


RLU232 APPL ID: A15

Applicazioni

*** NOTA BENE:**
La documentazione delle applicazioni disponibili è reperibile sul sito:
www.siemens.it/applicazionisynco200

1.13 Controllo umidità: umidificatore e batteria di raffreddamento



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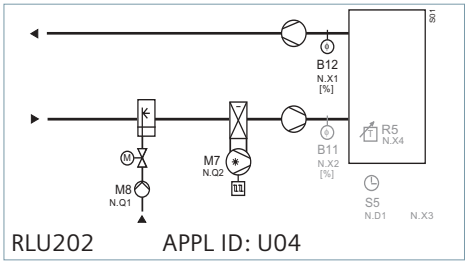

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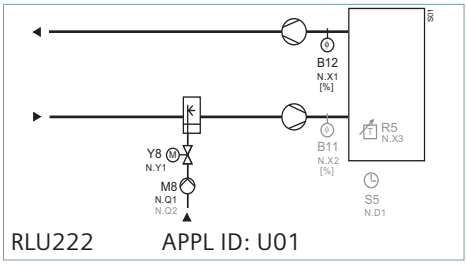
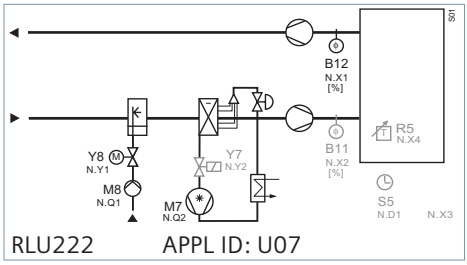


RLU222 APPL ID: U01



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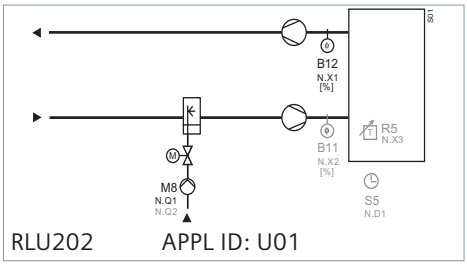

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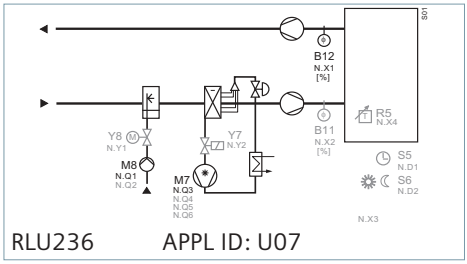

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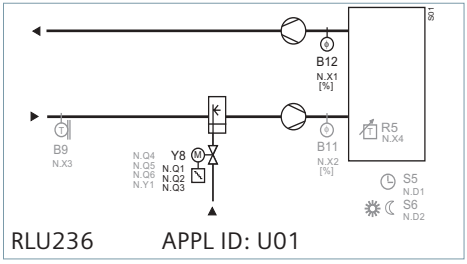
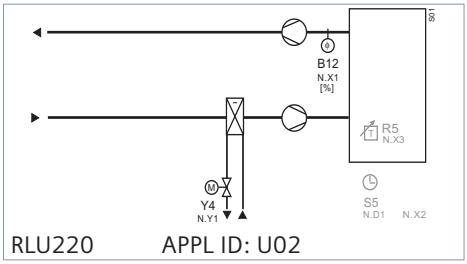


RLU236 APPL ID: U01

1.14 Controllo umidità: batteria di raffreddamento



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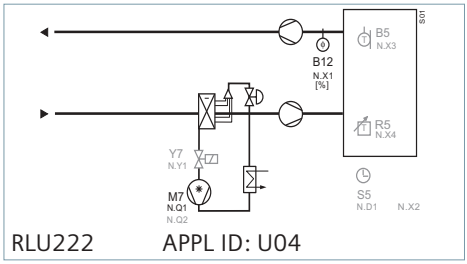
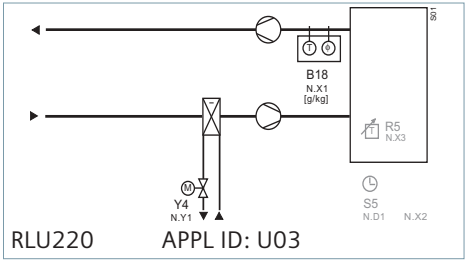


RLU222 APPL ID: U04



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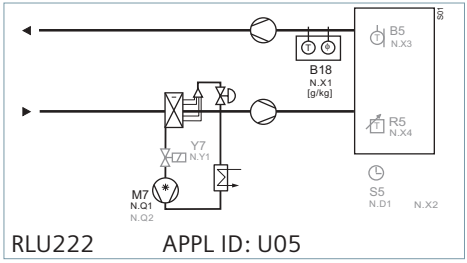

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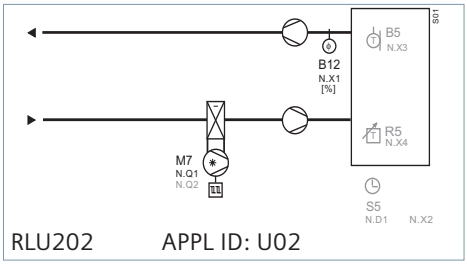

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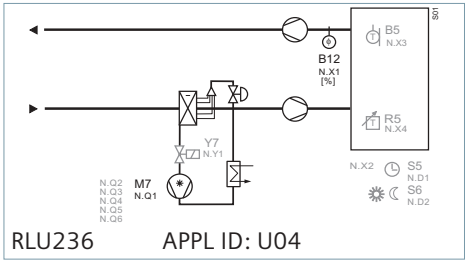

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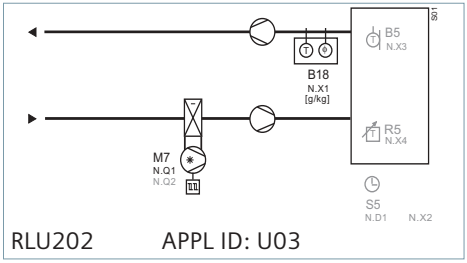

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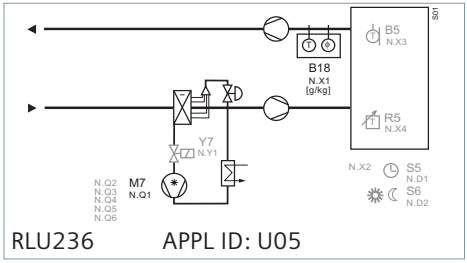
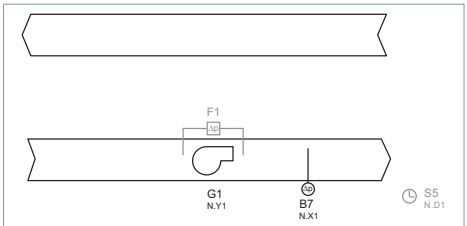


RLU236 APPL ID: U05

2. Applicazioni speciali



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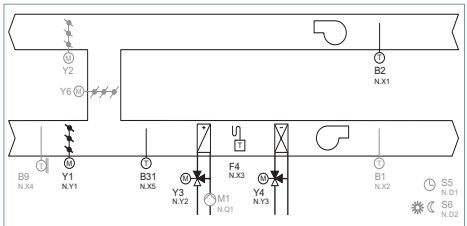

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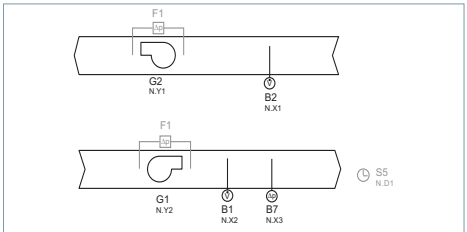

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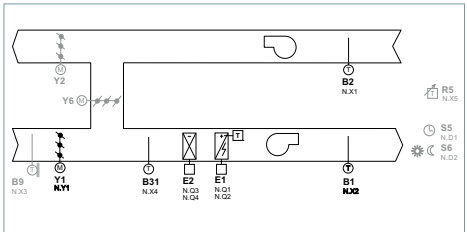

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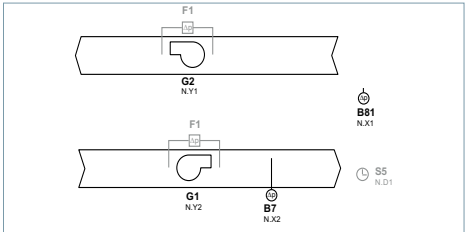

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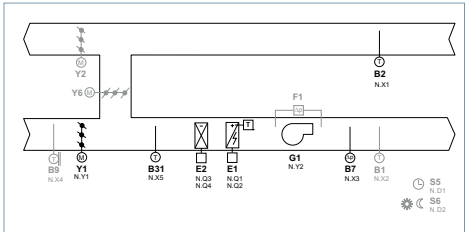

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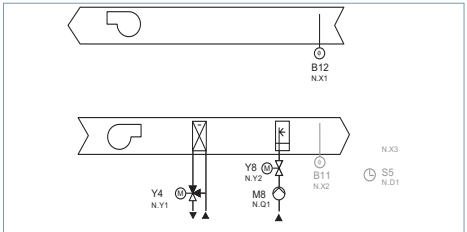

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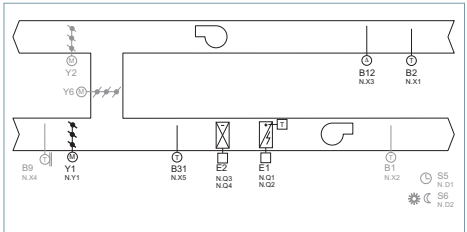

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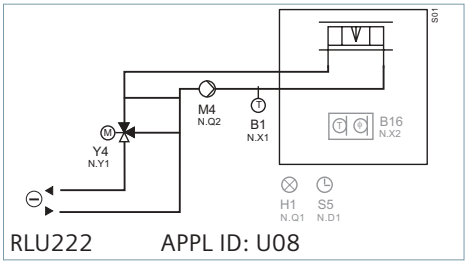
3. Applicazioni Riscaldamento / Raffreddamento



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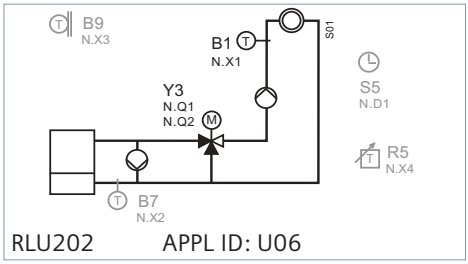

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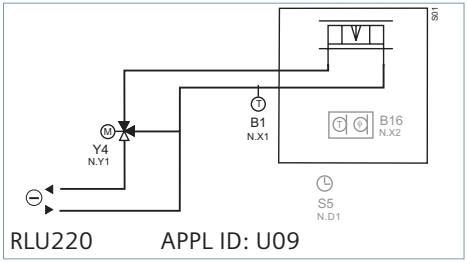
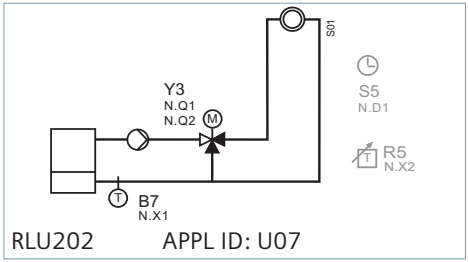


RLU220 APPL ID: U09



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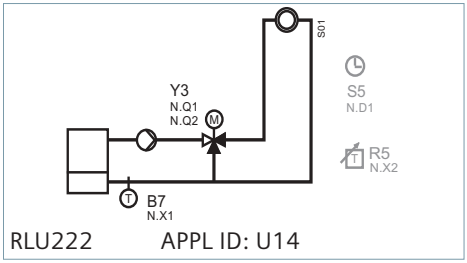

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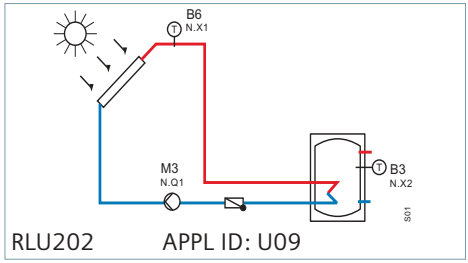

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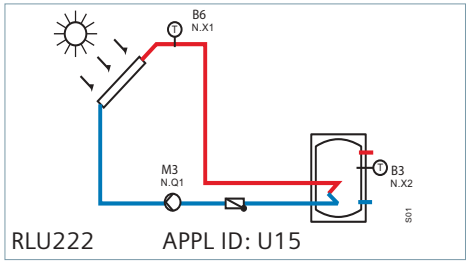

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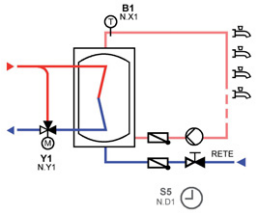
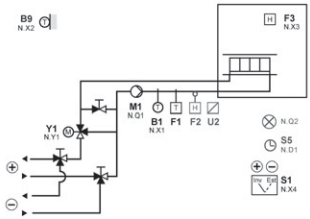


Vedi RLU220 H00B02LU2ita*



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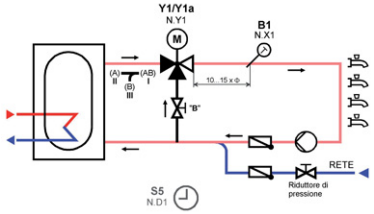

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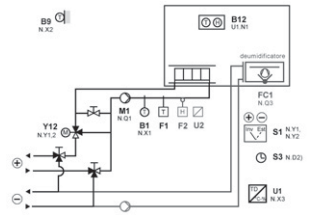

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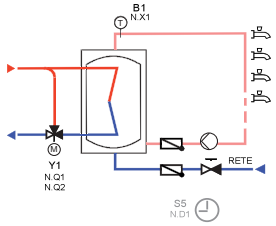

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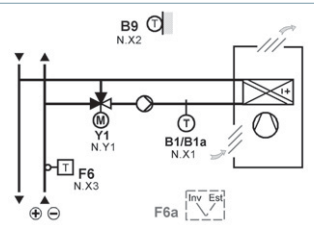
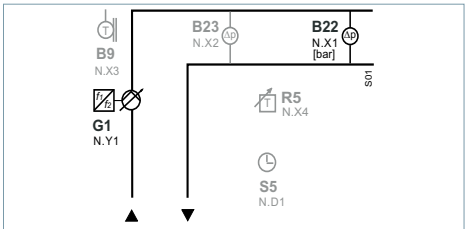


Vedi RLU220 H0C001LU2ita*

*** NOTA BENE:**
La documentazione delle applicazioni disponibili è reperibile sul sito:
www.siemens.it/applicazionisynco200

4. Controllo pressione differenziale, circuiti chiusi



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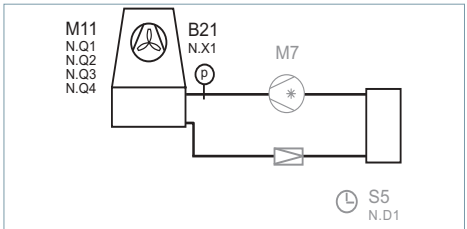

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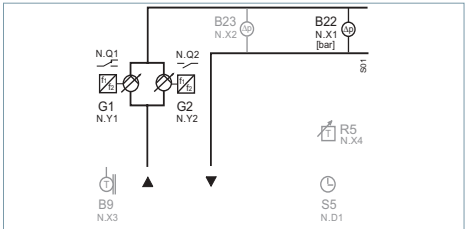

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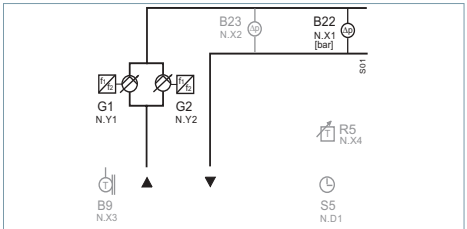

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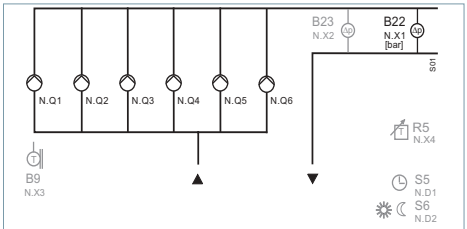
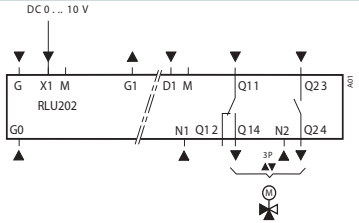


RLU236 APPL ID: U02

Applicazioni

5. Funzioni speciali



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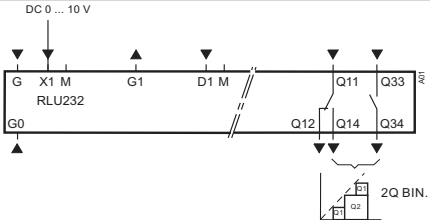

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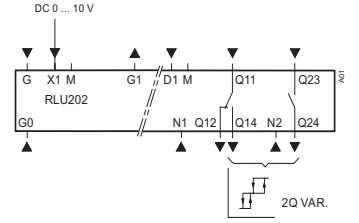

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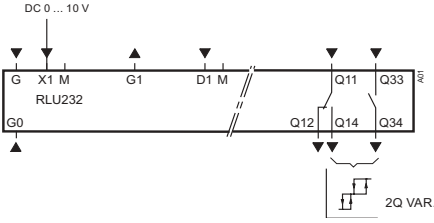

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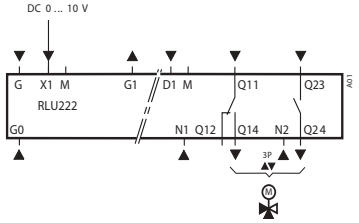

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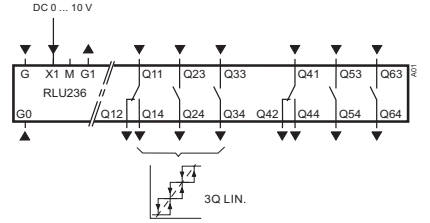

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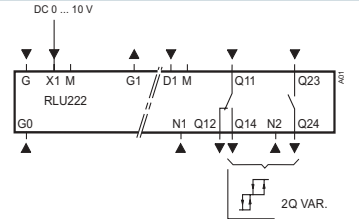

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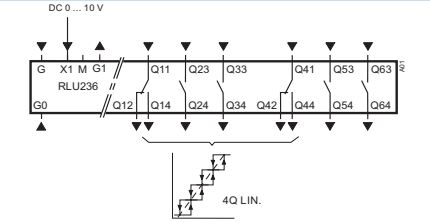

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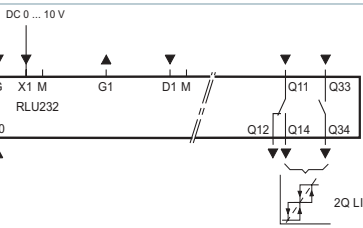

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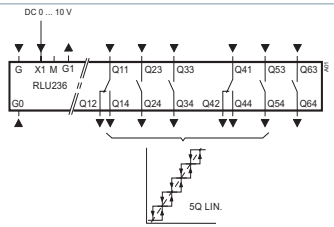

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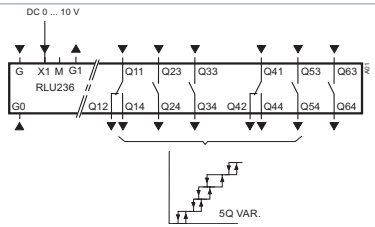

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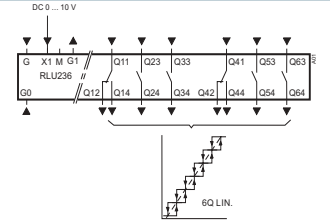

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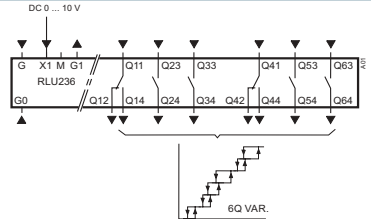

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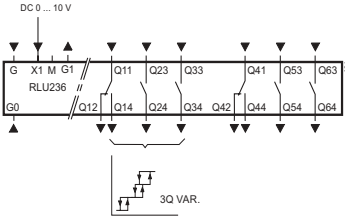

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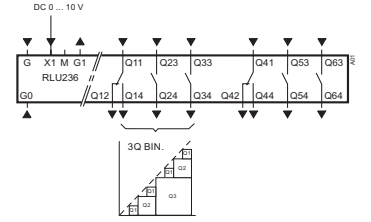

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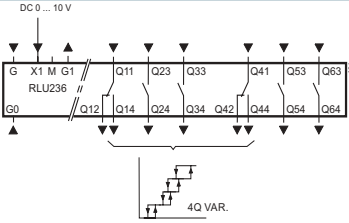

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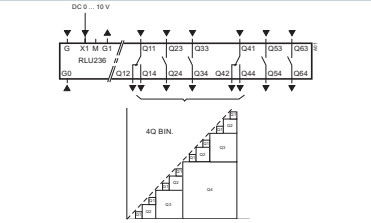
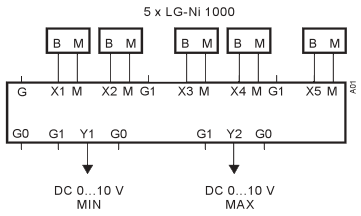
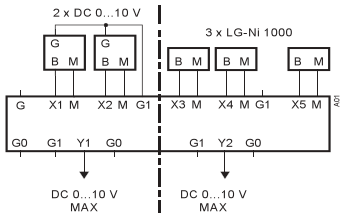


RLU236 APPL ID: U17

6. Convertitore di segnali SEZ220



SEZ220 APPL ID: M01



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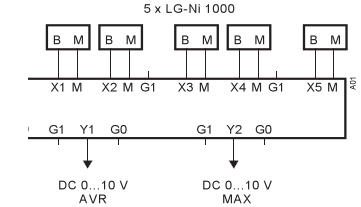

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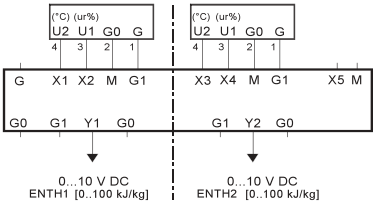

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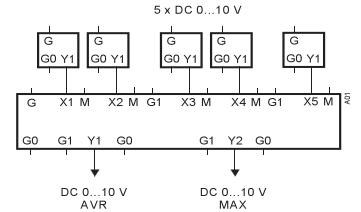

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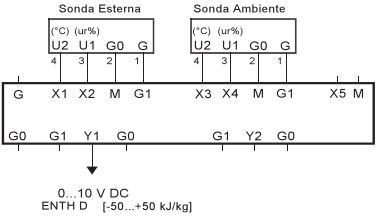

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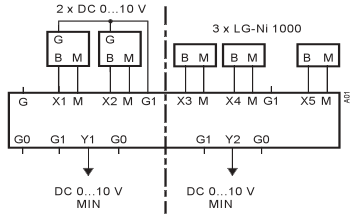

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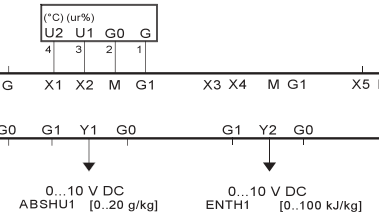

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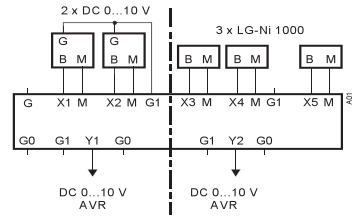

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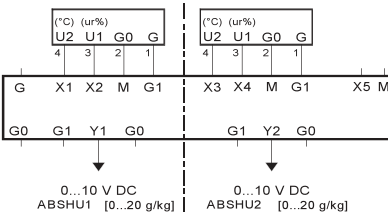

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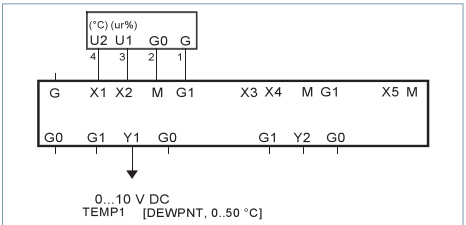

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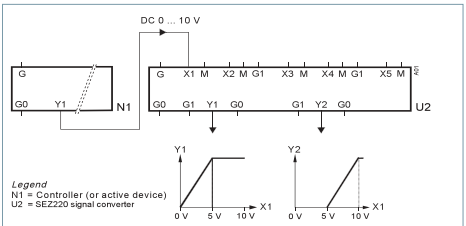
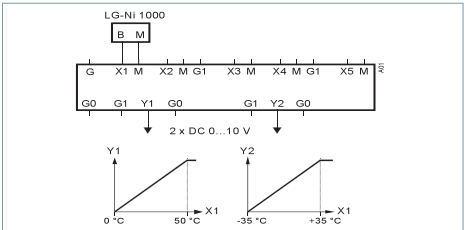


SEZ220 APPL ID: D01



SEZ220 APPL ID: D02

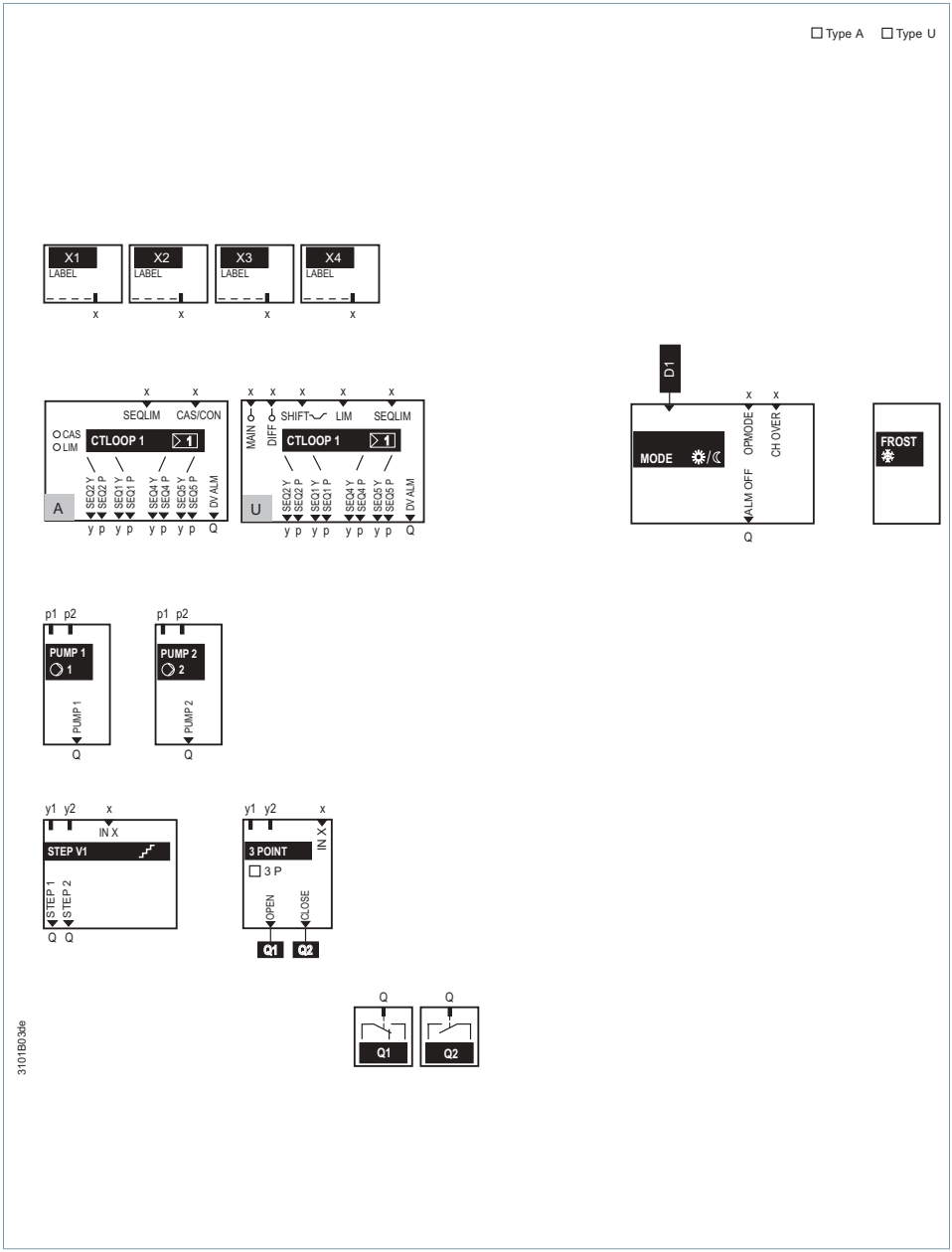
Applicazioni

*** NOTA BENE:**
La documentazione delle applicazioni disponibili è reperibile sul sito:
www.siemens.it/applicazionisynco200

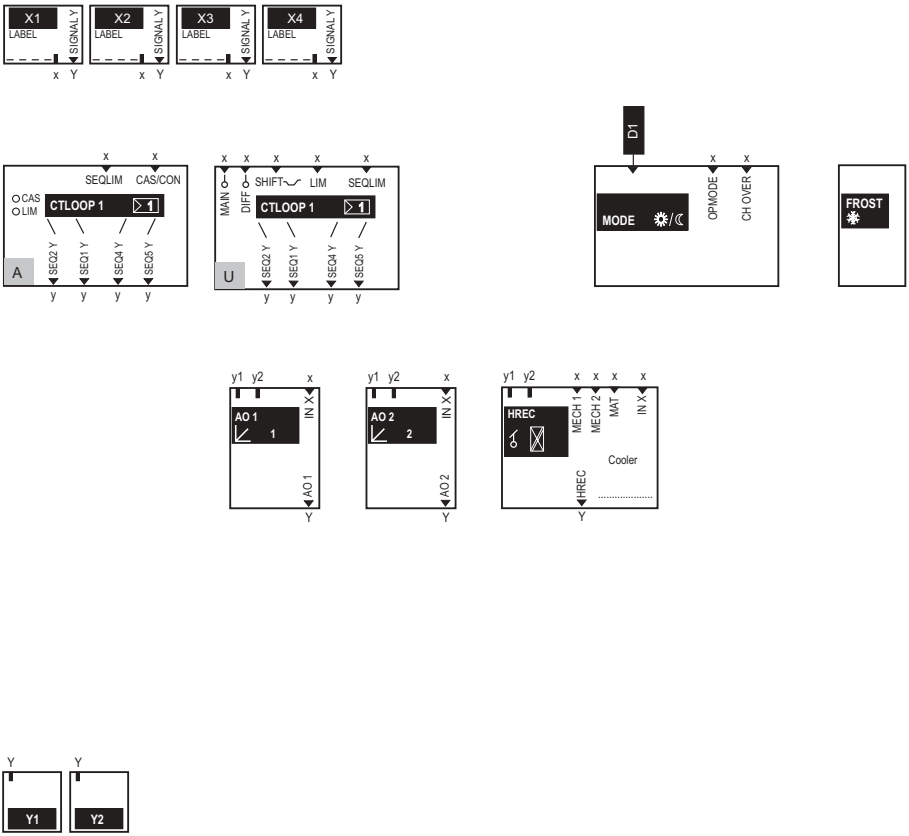
Diagrammi di configurazione

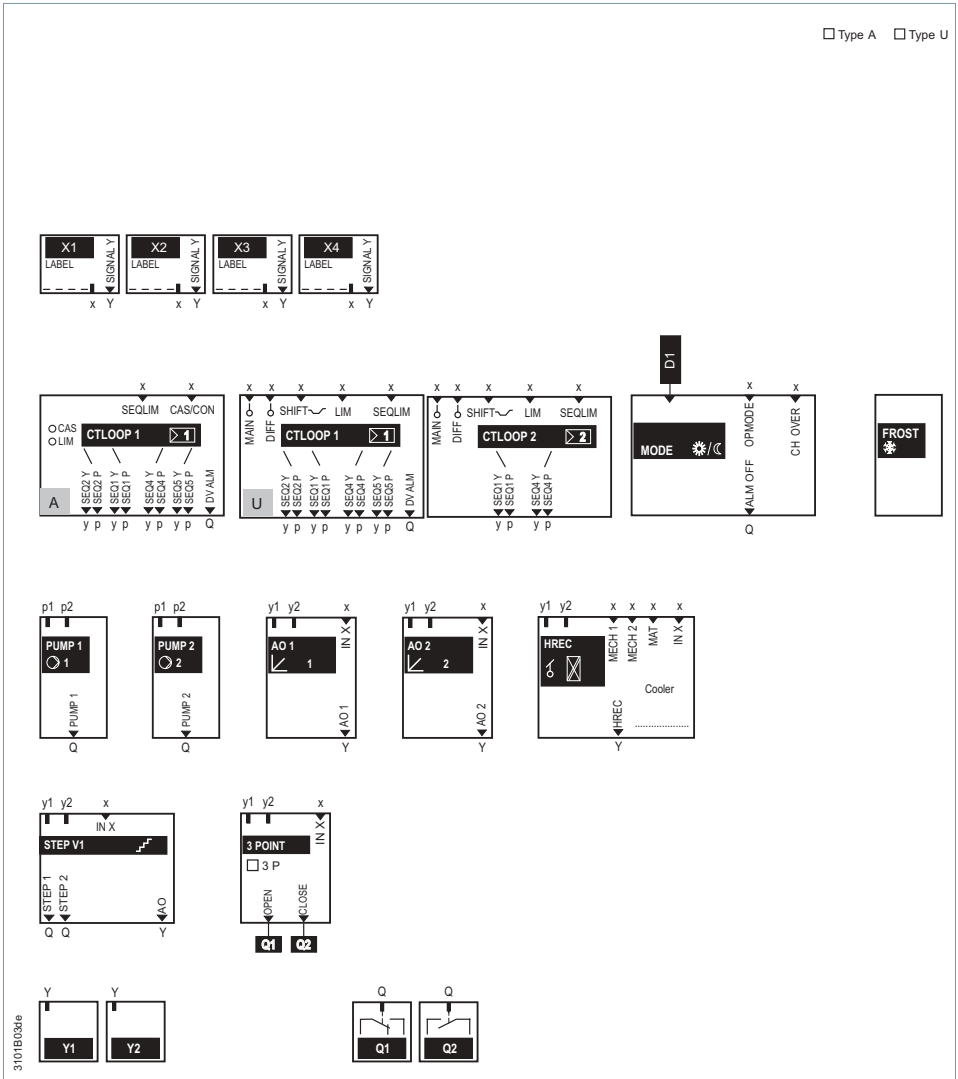
RLU202

A solo tipo base A U solo tipo base U



☐ Type A ☐ Type U


X1
LABEL
SIGNAL Y
x Y
X2
LABEL
SIGNAL Y
x Y
X3
LABEL
SIGNAL Y
x Y
X4
LABEL
SIGNAL Y
x Y
x x
SEQLIM CAS/CON
CAS
LIM
CTLOOP 1
1
SEQ2 Y
SEQ1 Y
SEQ4 Y
SEQ5 Y
A
y y y y
x x x x x
MAIN
DIFF
SHIFT
LIM
SEQLIM
CTLOOP 1
1
SEQ2 Y
SEQ1 Y
SEQ4 Y
SEQ5 Y
U
y y y y
D1
x x
MODE
OPMODE
CH OVER
FROST
y1 y2 x
AO 1
1
IN X
AO 1
Y
y1 y2 x
AO 2
2
IN X
AO 2
Y
y1 y2 x x x x
HREC
MECH 1
MECH 2
MAT
IN X
Cooler
HREC
Y
Y Y
Y1
Y2
1011B030e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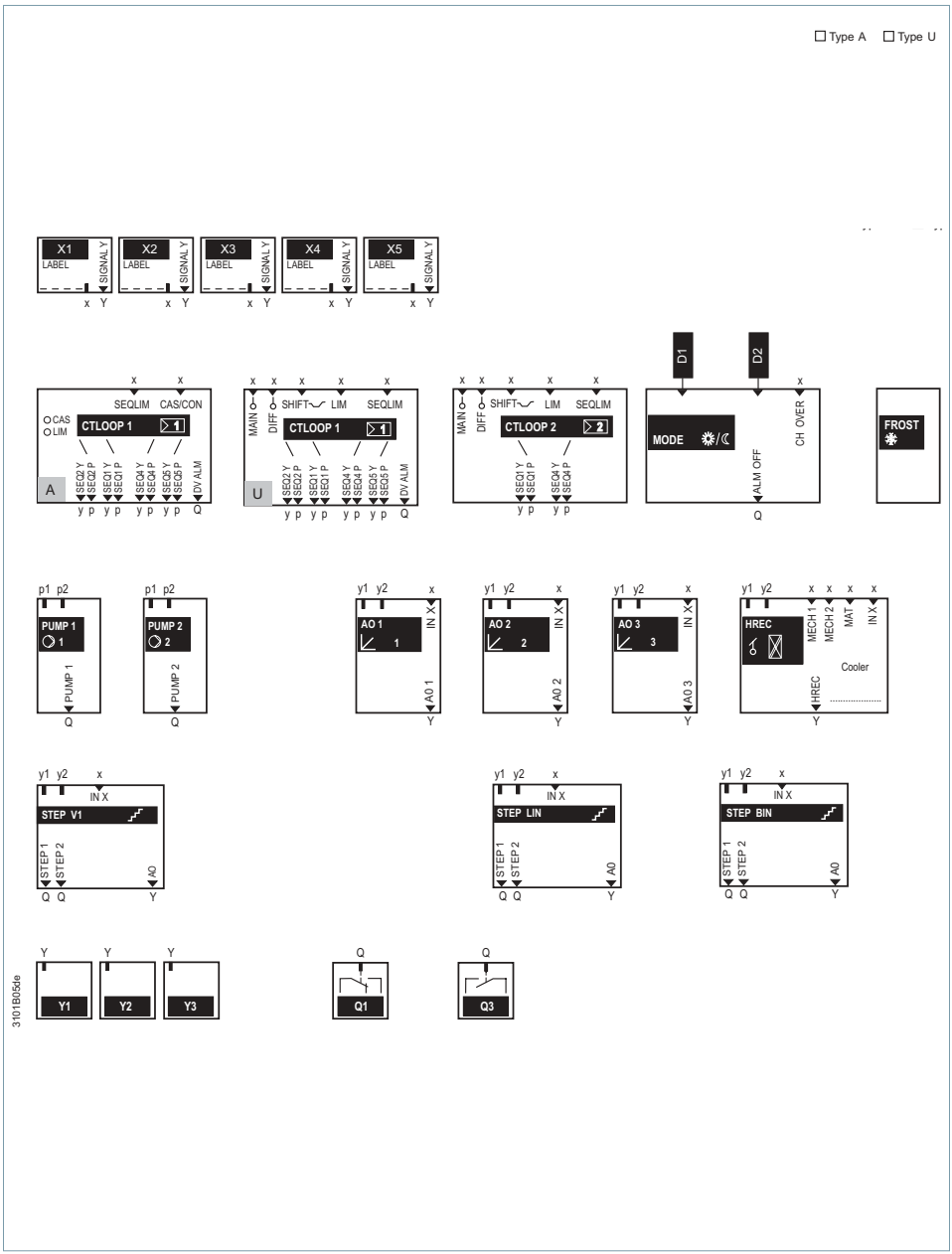
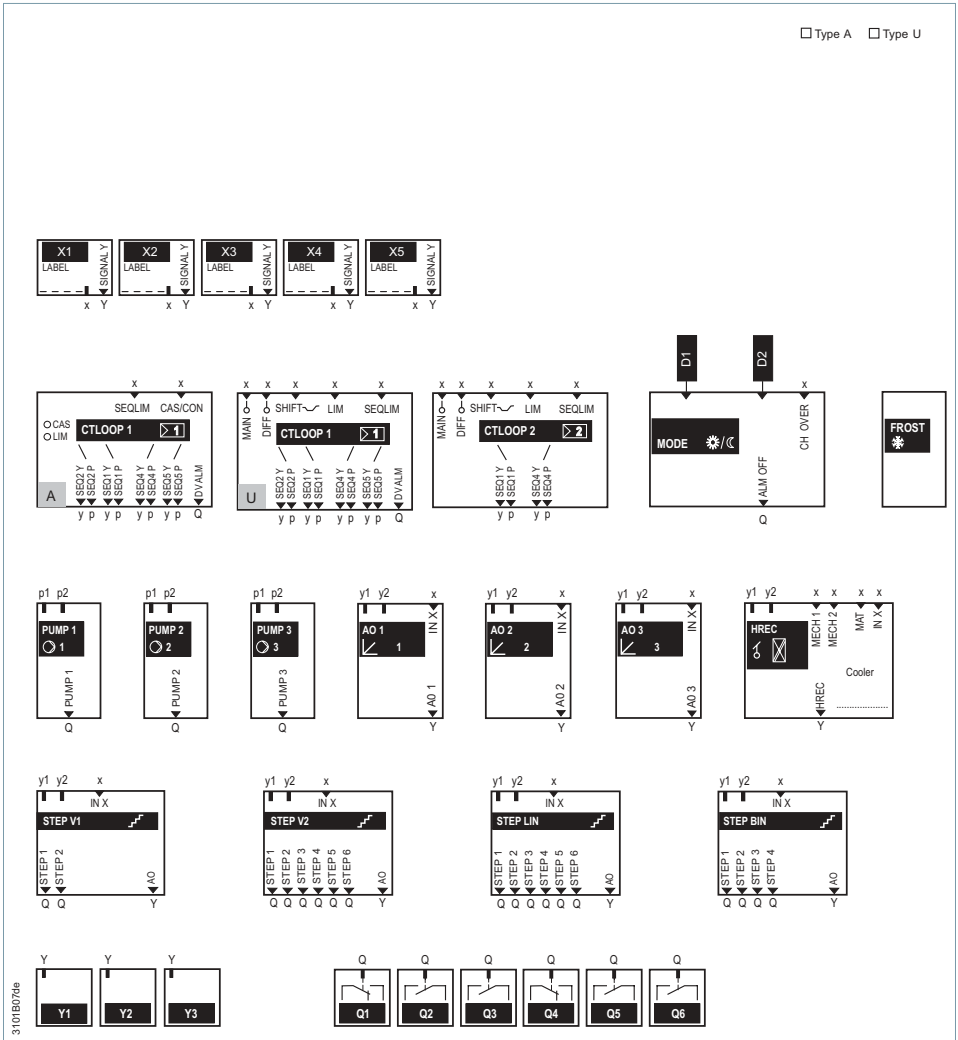
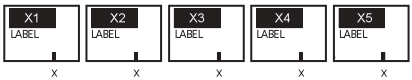
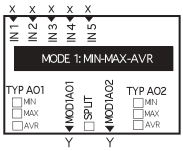
Type U
X1
LABEL
SIGNAL Y
X2
X3
X4
SEQLIM
CAS/CON
CAS
LIM
CTLOOP 1
SEQ2 Y
SEQ2 P
SEQ1 Y
SEQ1 P
SEQ4 Y
SEQ4 P
SEQ5 Y
SEQ5 P
DV ALM
A
MAIN
DIFF
SHIFT
LIM
SEQLIM
U
CTLOOP 2
D1
MODE
OPMODE
CH OVER
ALM OFF
FROST
PUMP 1
PUMP 2
AO 1
AO 2
IN X
HREC
MECH 1
MECH 2
MAT
Cooler
STEP V1
STEP 1
STEP 2
AO
3 POINT
3 P
OPEN
CLOSE
Q1
Q2
Y1
Y2
3101B03te

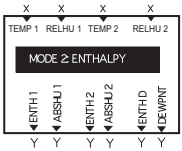

Type A
Type U
X1
X2
X3
X4
X5
LABEL
SIGNAL Y
CTLOOP 1
CTLOOP 2
SEQLIM
CAS/CON
CAS
LIM
MAIN
DIFF
SHIFT
LIM
SEQLIM
SEQ2 Y
SEQ2 P
SEQ1 Y
SEQ1 P
SEQ4 Y
SEQ4 P
SEQ5 Y
SEQ5 P
DV ALM
A
U
D1
D2
MODE
ALM OFF
CH OVER
FROST
PUMP 1
PUMP 2
AO 1
AO 2
AO 3
IN X
HREC
MECH 1
MECH 2
MAT
Cooler
STEP V1
STEP LIN
STEP BIN
STEP 1
STEP 2
AO
Y1
Y2
Y3
Q1
Q3
3101B05te

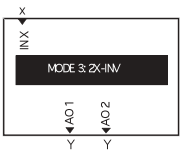

Type A
Type U
X1
X2
X3
X4
X5
LABEL
SIGNAL Y
x Y
SEQLIM
CAS/CON
CAS
LIM
CTLOOP 1
SEQ2 Y
SEQ2 P
SEQ1 Y
SEQ1 P
SEQ4 Y
SEQ4 P
SEQ5 Y
SEQ5 P
DV ALM
y p
Q
A
MAIN
DIFF
SHIFT
LIM
U
CTLOOP 2
D1
D2
MODE
CH OVER
ALM OFF
FROST
p1 p2
PUMP 1
PUMP 2
PUMP 3
y1 y2
AO 1
AO 2
AO 3
IN X
Y
HREC
MECH 1
MECH 2
MAT
Cooler
STEP V1
STEP V2
STEP LIN
STEP BIN
STEP 1
STEP 2
STEP 3
STEP 4
STEP 5
STEP 6
AO
Y1
Y2
Y3
Q1
Q2
Q3
Q4
Q5
Q6
3101B07de

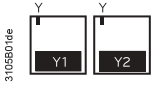
SEZ220


X1
LABEL
X2
LABEL
X3
LABEL
X4
LABEL
X5
LABEL


IN 1
IN 2
IN 3
IN 4
IN 5
MODE 1: MIN-MAX-AVR
TYP AO1
MIN
MAX
AVR
MOD1AO1
SPLIT
MOD1AO2
TYP AO2
MIN
MAX
AVR


TEMP 1
RELHU 1
TEMP 2
RELHU 2
MODE 2: ENTHALPY
ENTH 1
ABSHU 1
ENTH 2
ABSHU 2
ENTH D
DEWPNT


IN X
MODE 3: 2X-INV
AO 1
AO 2


3105B01de
Y1
Y2

49

Note

50

Note

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