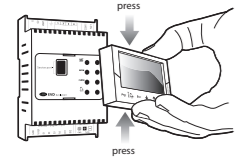




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READ AND SAVE THESE INSTRUCTIONS
NO POWER & SIGNAL CABLES TOGETHER
READ CAREFULLY IN THE TEXT!

Display board mounting



Refrigerant compatibility

R22; R134a; R404A; R407C; R410A; R507A; R290; R600; R600a; R717; R744; R728; R1270; R417A; R422D; R413A; R422A; R423A; R407A; R427A; R245Fa; R407F; R32; HTR01; HTR02; R23; R1234yf; R1234ze; R455A; R170; R442A; R447A; R448A; R449A; R450A; R452A; R508B; R452B; R513A; R454B; R458A

Table of product codes

EVD evolution TWIN		display (accessory)	
code	description	code	description
EVD0000T00	EVD Evolution twin universal (tLAN)	EVDIS00CNO	Display (Chinese)
EVD0000T01	EVD Evolution twin universal (tLAN), 10 pcs*	EVDIS00CZO	Display (Czech)
EVD0000T10	EVD Evolution twin universal (pLAN)	EVDIS00DEO	Display (German)
EVD0000T11	EVD Evolution twin universal (pLAN), 10 pcs*	EVDIS00ENO	Display (English)
EVD0000T20	EVD Evolution twin universal (RS485/Modbus*)	EVDIS00E5O	Display (Spanish)
EVD0000T21	EVD Evolution twin universal (RS485/Modbus*), 10 pcs*	EVDIS00FRO	Display (French)
EVD0000T30	EVD Evolution twin for CAREL valves (tLAN)	EVDIS00ITO	Display (Italian)
EVD0000T31	EVD Evolution twin for CAREL valves (tLAN), 10 pcs*	EVDIS00JPO	Display (Japanese)
EVD0000T40	EVD Evolution twin for CAREL valves (pLAN)	EVDIS00PLO	Display (Polish)
EVD0000T41	EVD Evolution twin for CAREL valves (pLAN), 10 pcs*	EVDIS00PTO	Display (Portuguese)
EVD0000T50	EVD Evolution twin for CAREL valves (RS485/Modbus*)	EVDIS00RUO	Display (Russian)
EVD0000T51	EVD Evolution twin for CAREL valves (RS485/Modbus*), 10 pcs*	EVDIS00SE0	Display (Swedish)

other accessories

EVDCON0021	Connector kit 10 pcs
EVDNCV00E0	USB/tLAN converter
TRADRFE240	35VA transformer
EVD0000UCO	Ultracap module

(*) The multiple packages are not supplied with connectors

Table of valve compatibility

CAREL	Model
ALCO	EX4; EX5; EX6; EX7; EX8 330 Hz (consigliato da CAREL/supported by CAREL); EX8 500 Hz (da specifiche ALCO/from ALCO specifications)
SPORLAN	SEI 0.5-11; SER 1.5-20; SEI 30; SEI 50; SEH 100; SEH175
Danfoss	ETS 12.5-25B; ETS 50B; ETS 100B; ETS 250; ETS 400; CCM 10-20-30-40; CCMT 2-4-8-16-24-30-42; Colibri
CAREL	Due EXV CAREL colleague insieme / Two CAREL ExV connected together
SPORLAN	SERIO G, J, K
CAREL	Elettro / Ejectors: E2J17AS1N0; E2J23AT1N0; E3J26AT2N0; E3J33AU2N0; E3J39AV3N0; E6J50AV3N0

(ENG) For further information, see the "EEV system guide" (code +030220811) and the user manual (code +0300006EN) available at www.carel.com, under the "Literature" section.

Table of EVD LEDs

LED	on	off	flashing
net	connection made	no connection	communication error
open A/B	valve A/B opening	-	first configuration
close A/B	valve A/B closing	-	first configuration
open B / close B	alarm driver A/B active	-	EVD twin → single
driver	driver powered	driver not powered	wrong power supply

Note: if open and close LEDs blink at the same time, the commissioning procedure has to be executed.

Display keypad

key function
Prg goes directly to the screen for entering the password to access programming mode
Esc exits programming mode (service, manufacturer) and display;
• after setting a parameter, exits without saving the change.
• in alarm mode displays the alarm queue;
• in the "manufacturer" level, when scrolling the parameters, shows the help screens

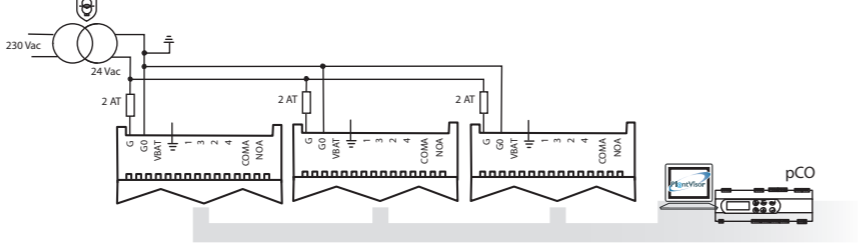
IMPORTANT WARNINGS
The CAREL product is a state-of-the-art device, whose operation is specified in the technical documentation supplied with the product or can be downloaded, even prior to purchase, from the website www.carel.com. The customer (manufacturer, developer or installer of the final equipment) accepts all liability and risk relating to the configuration of the product in order to reach the expected results in relation to the specific installation and/or equipment. The failure to complete such phase, which is required/indicated in the user manual, may cause the final product to malfunction; CAREL accepts no liability in such cases. The customer must use the product only in the manner described in the documentation relating to the product. The liability of CAREL in relation to its products is specified in the CAREL general contract conditions, available on the website www.carel.com and/or by specific agreements with customers.

Separate as much as possible the probe and digital input signal cables from the cables carrying inductive loads and power cables to avoid possible electromagnetic disturbance. Never run power cables (including the electrical panel wiring) and signal cables in the same conduits.

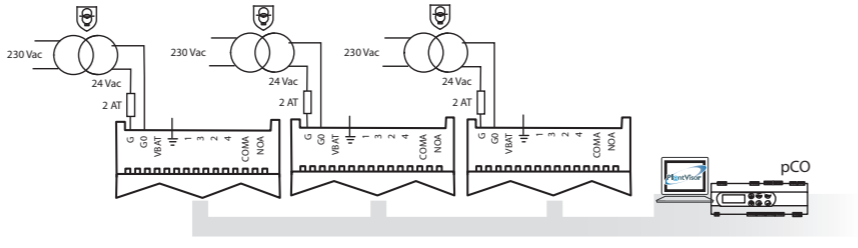
Disposal of the product
The appliance (or the product) must be disposed of separately in accordance with the local waste disposal legislation in force

tLAN, pLAN and RS485 connections and power supply

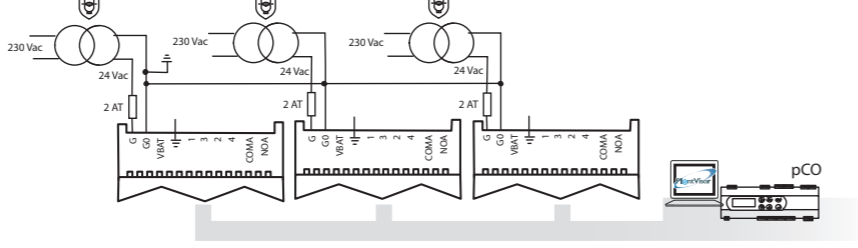
Case 1: a series of drivers is connected in a network, installed in the same electrical panel, powered by the same transformer



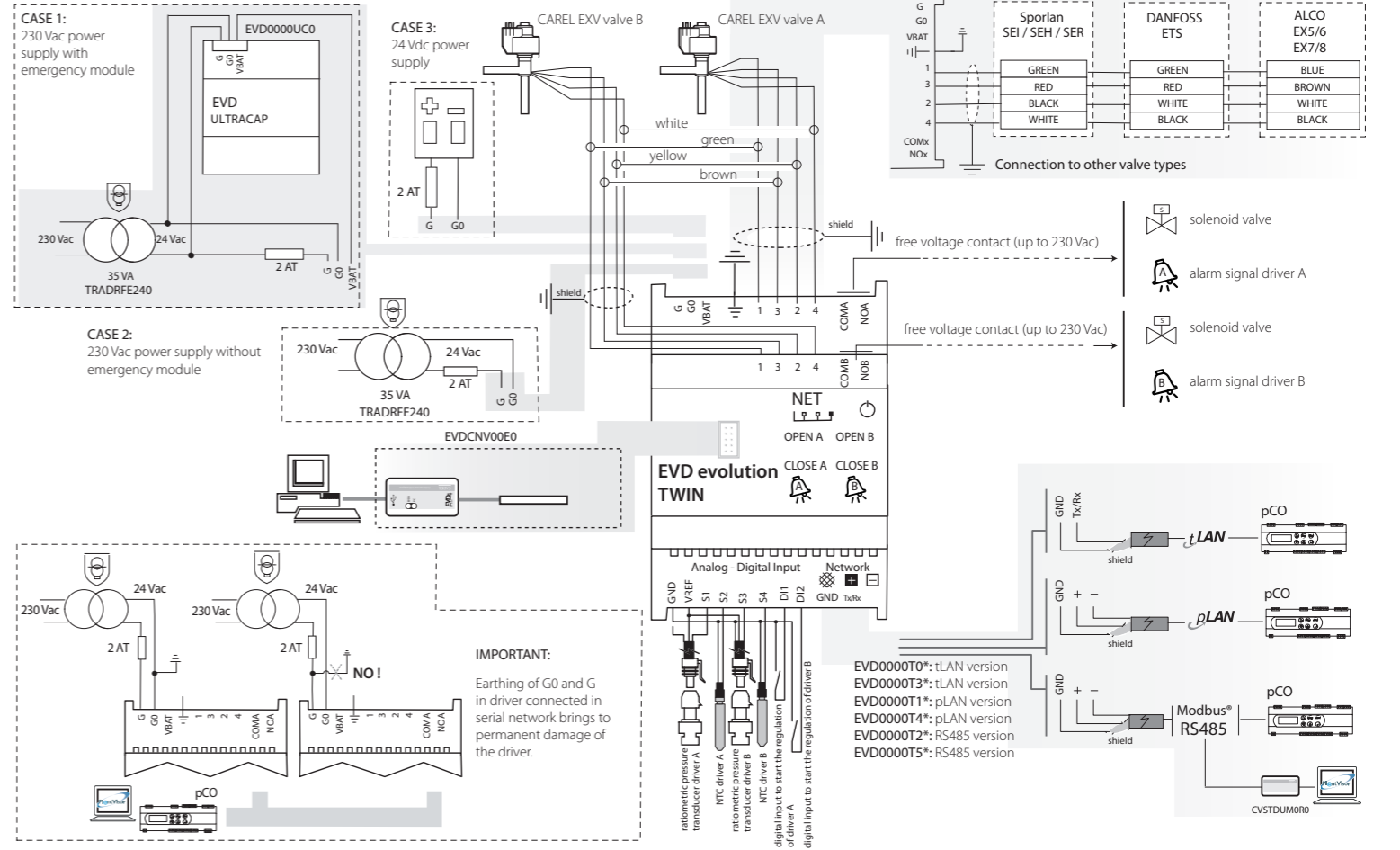
Case 2: a series of drivers is connected in a network, installed in electrical different panels, powered by different transformers (G0 not connected to earth).



Case 3: a series of drivers is connected in a network, installed in electrical different panels, powered by different transformers with just one earth point.



Wiring diagram for superheat control



(FRE) Configuration des paramètres base

- Le premier paramètre apparaît: adresse de réseau;
- appuyer Enter pour passer à la valeur du paramètre
- appuyer UP/DOWN pour modifier la valeur
- appuyer Enter pour confirmer la valeur
- appuyer sur UP/DOWN pour passer au paramètre suivant, réfrigérant du driver A, indiqué par la lettre en haut à droite;
- répéter les pas 2, 3, 4, 5 pour modifier les valeurs des paramètres du driver A: réfrigérant, vanne, sonde pression S1, régulation principale;
- vérifier que les connexions électriques du driver A soient correctes
- vérifier que les connexions électriques pour la vanne A soient correctes; passer aux param. analogues du driver B (voir point 6);
- vérifier que les connexions électriques du driver B soient correctes;
- vérifier que les connexions électriques pour la vanne B soient correctes;
- si la configuration est correcte, sortir de la procédure, sinon choisir NON et retourner au pas 2.

(GER) Einstellung der Basisparameter

- Es erscheint der erste Parameter: Netzwerkadresse.
- Enter drücken, um zum Parameterwert überzugehen.
- UP/DOWN drücken, um den Wert zu ändern.
- Mit Enter den Wert bestätigen
- UP/DOWN drücken, um zum nächsten Parameter des Treibers A Kältemittel überzugehen (Buchstabe oben rechts).
- Die Schritte 2, 3, 4, 5 zur Änderung der driver A Parameterwerte wiederholen: Kältemittel, Ventil, Druckfühler S1, Hauptregelung.
- Die Elektroanschlüsse auf ihre Korrektheit überprüfen (driver A);
- Die Elektroanschlüsse des Ventils A auf ihre Korrektheit überprüfen; zu den analogen Parametern des Treibers B übergehen (siehe Schritt 6).
- Die Elektroanschlüsse auf ihre Korrektheit überprüfen (driver B);
- Die Elektroanschlüsse des Ventils B auf ihre Korrektheit überprüfen
- Ist die Konfiguration korrekt, das Verfahren verlassen, ansonsten NEIN wählen und zum Schritt 2 zurückkehren.

(SPA) Ajuste de los parámetros básicos

- Aparece el primer parámetro: dirección de red;
- Pulsar Enter para pasar al valor del parámetro
- Pulsar UP/DOWN para modificar el valor de red;
- Pulsar Enter para confirmar el valor
- Pulsar UP/DOWN para pasar al parámetro siguiente, refrigerante de la driver A, indicado por letra arriba a la derecha
- Repetir los pasos 2, 3, 4, 5 para modificar los valores de los parámetros de la driver A: refrigerante, válvula, sonda de presión S1, regulación principal;
- Verificar que las conexiones eléctricas de la driver A son correctas;
- Verificar que las conexiones eléctricas de la válvula A son correctas; luego pasar los parámetros al B (paso 6);
- Verificar que las conexiones eléctricas de la driver B son correctas;
- Verificar que las conexiones eléctricas de la válvula B son correctas;
- Si la configuración es correcta salir del procedimiento, si no, seleccionar NO y volver al paso 2.

(POR) Configuração dos parâmetros base

- aparece o primeiro parâmetro: endereço de rede;
- apertar Enter para passar ao valor do parâmetro;
- apertar UP/DOWN para modificar o valor;
- apertar Enter para confirmar o valor
- apertar UP/DOWN para passar ao parâmetro seguinte, refrigerante do driver A, indicado pela letra no alto à direita
- repetir os passos 2, 3, 4, 5 para modificar os valores dos parâmetros do driver A: refrigerante, válvula, sonda de pressão S1, regulagem principal;
- verificar se as conexões elétricas das sondas do driver A estão corretas;
- verificar se as conexões elétricas da válvula A estão corretas; depois passar aos parâmetros semelhantes do driver B (ver passo 6);
- verificar se as conexões elétricas do driver B estão corretas;
- verificar se as conexões elétricas da válvula B estão corretas
- se a configuração está correta sair do procedimento, ou então escolher NÃO e retornar ao passo 2.

