

COMPRESSOR PACK INTERFACE UNIT

IFx/x

Type IFx-x are units suitable for connection to JTL compressor pack controllers type CP. These units form the interface between compressor, condenser and defrost system switchgear and the compressor pack controller.

All IFx-x units have relay outputs fitted to allow compressors, condensers or defrosts to be controlled and some IFx-x units have inputs to allow fault, running and interlock states to be monitored. Output commands are delivered and input states are collected via a 4-wire communications network dedicated to the pack controller.

A complete JTL pack control system, comprises a type CP controller with type IFx-x interfaces connected via the 4-wire communications network. This allows the interface units to be positioned near the associated switchgear within the pack panels, or at other locations remote from the CP controller.

All type IFx-x units have a standby circuit to enable the pack to be run to a pre-determined pattern should the pack controller or communications network fail.

FEATURES

- ◆ Relay outputs
- ◆ Watchdog timer for standby mode
- ◆ Optically isolated digital inputs
- ◆ Mode output control switches
- ◆ JTL pack communications interface

IF1 HARDWARE

- ◆ Inputs 8
- ◆ Outputs 4 or 7

IF2 HARDWARE

- ◆ Inputs 8
- ◆ Outputs 1 or 2

IF3 HARDWARE

- ◆ Inputs 0
- ◆ Outputs 7



TECHNICAL SPECIFICATION

Inputs and Outputs

The function of each input and output is determined by the type of CP compressor pack controller used.

Input voltage	24, 110 or 240 V
Input current	2mA
Relay output rating	1A resistive (240 V max).
Dimensions IF1	196 x 160 x 40 mm
Weight IF1	0.51 kg
Dimensions IF2	120 x 160 x 35 mm
Weight IF2	0.28 kg
Dimensions IF3	120 x 160 x 40 mm
Weight IF3	0.65 kg
Power supply (standard)	240 V 48-62 Hz
(optional)	24 V, 100 V or 200 V

ORDERING INFORMATION

All parts are printed circuit boards only.

IF1-4	4 outputs 8 inputs
IF1-7	7 outputs 8 inputs
IF2-1	1 outputs 8 inputs
IF2-2	2 outputs 8 inputs
IF3-7	7 outputs 0 inputs

Power Supply Options:

For 24 V append - 24 to order code
For 110 V append - 110 to order code
For 220 V append - 220 to order code



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.

Doc No. 00851 IF123_datasheet.wpd Issue 3 Sept 1994

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