



SERIES UM

Electric panel for condensing unit

PANEL BOARD SERIES

UM series for management of condensing units has been designed for a simple and flexible use. All devices of the UM series are assembled with the best materials on the market. The overall quality, although very high, does not affect the good relationship *value for money*. The use of electronic thermal and magnetothermic protection makes it possible to manage multiple applications with very few codes.

UM16M _ UM4 _ UM12 _ UM16
UM25 _ UM40 _ UM45 _ UM50 _ UM80

PANEL CODE	UM16M	UM4	UM12
------------	-------	-----	------

DESCRIPTION	Electric panel for condensing unit with single-phase compressor max 10A and fans.	Electric panel for condensing unit with three phase compressor with adjustment range from 1 ... 4A and single phase fans.	Electric panel for condensing unit with three phase compressor with adjustment range from 3 ... 12A and single phase fans.
-------------	---	---	--

TECHNICAL FEATURES

BOX SIZE	220*275*140 mm	220*275*140 mm	220*275*140 mm
BOX SIZE COMPLETE WITH DOOR LOCK	220*275*175 mm	220*275*175 mm	220*275*175 mm
WEIGHT	3Kg	4Kg	4Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	230V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Magnetothermic	Electric thermal relay	Electric thermal relay
SIGNALING AND ALARM	Led	Led	Led

INPUTS

PRESSURE SWITCH-HIGH/ LOW PRESSURE	Standard	Standard	Standard
KRIWAN	Standard	Standard	Standard
FUNCT. PUMP DOWN/ THERMOSTAT	Standard	Standard	Standard



PANEL CODE	UM16M	UM4	UM12
------------	-------	-----	------

OUTPUT

COMPRESSOR	Single phase Max 10A	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A
CONDENSING FANS	Single phase 850W	Single phase 850W	Single phase 850W
SOLENOIDE FAN	Standard	Standard	Standard

OPTIONAL ACCESSORIES

ALARM RELAY

✓

✓

✓



UM16M *



UM4 *



UM12 *

*Accessories: fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	UM16	UM25	UM40
------------	------	------	------

DESCRIPTION	Electric panel for condensing unit with three phase compressor with adjustment range from 1...16A and single phase fans.	Electric panel for condensing unit with three phase compressor with adjustment range from 6...25A and single/three phase fans	Electric panel for condensing unit with three phase compressor with adjustment range from 10...40A and single/three phase fans
-------------	--	---	--

TECHNICAL FEATURES

BOX SIZE	220*275*140 mm	370*275*175 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	220*275*175 mm	370*275*175 mm	600*400*235 mm
WEIGHT	4Kg	6Kg	8Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	electric thermal relay	electric thermal relay	electric thermal relay
SIGNALING AND ALARM	Led	Led	Led
ISOLATION TRASFORMATION	/	Standard	Standard

INPUTS

DIFF. PRESSURE SWITCH OIL	/	Standard	Standard
PRESSURE SWITCH-HIGH/ LOW PRESSURE	Standard	Standard	Standard
KRIWAN	Standard	Standard	Standard
PRESS. PARTIALIZATION FANS	/	Standard	Standard
FUNCT. PUMP DOWN/ THERMOSTAT	Standard	Standard	Standard



PANEL CODE	UM16	UM25	UM40
------------	------	------	------

OUTPUT

COMPRESSOR	Three-phase adjustable range from 4...16A	Three-phase adjustable range from 6...25A	Three-phase adjustable range from 10...40A
CONDENSING FANS	Single phase 850W	2 single / three-phase 1200/2000W	3 single / three-phase 1200/2000W
SOLENOIDE FAN	Standard	Standard	Standard
CRANKCASE RESISTANCE		Standard	Standard
ALARM RELAY	Optional	Standard	Standard

OPTIONAL ACCESSORIES

ALARM RELAY	✓	Standard	Standard
-------------	---	----------	----------



UM16 *



UM25 *



UM40 *

*Accessories: fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	UM45	UM50	UM80
------------	------	------	------

DESCRIPTION	Electric panel for condensing unit with three-phase compressor with adjustable range from 12.5...50A and 3 fans single / three-phase.	Electric panel for condensing unit with three-phase compressor with adjustable range from 12...50A PWS starter and 3 fans single / three-phase.	Electric panel for condensing unit with three-phase compressor with adjustable range from 20...80A PWS starter and 3 fans single / three-phase.
-------------	---	---	---

TECHNICAL FEATURES

BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	9Kg	10Kg	12Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	electric thermal relay	electric thermal relay	electric thermal relay
SIGNALING AND ALARM	Led	Led	Led
ISOLATION TRASFORMATION	Standard	Standard	Standard

INPUTS

DIFF. PRESSURE SWITCH OIL	Standard	Standard	Standard
PRESSURE SWITCH-HIGH/ LOW PRESSURE	Standard	Standard	Standard
KRIWAN	Standard	Standard	Standard
PRESS. PARTIALIZATION FANS	Standard	Standard	Standard
FUNCT. PUMP DOWN/ THERMOSTAT	Standard	Standard	Standard



PANEL CODE	UM45	UM50	UM80
------------	------	------	------

OUTPUT

COMPRESSOR	Three-phase adjustable range from 12.5...50A	Three-phase adjustable range from 12...50A	Three-phase adjustable range from 20...80A
CONDENSING FANS	3 mono/ three-phase 1200W/2000W	3 mono/ three-phase 1200W/2000W	3 mono/ three-phase 1200W/2000W
SOLENOIDE FAN	Standard	Standard	Standard
CARTER ELECTRICAL RESISTANCE	Standard	Standard	Standard
ALARM RELAY	Standard	Standard	Standard



UM50 *



UM50 *



UM80 *

* **Accessories:** fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.