COPELAND™ LARGE OUTDOOR REFRIGERATION UNITS
QUICK INSTALLATION GUIDE

1. Install the refrigeration unit according to Application Guidelines AGL_Unit_LOCU_EN "Copeland™ Large Outdoor Refrigeration Units".
2. Prefill the unit with refrigerant and set all valves into the operating position.
3. Set up the unit controller (XMC25D) for the required application.

NOTE: **The value of parameter D29 must be lower than the value C16-C17/2 (unit switching-off point) to avoid the low-pressure alarm.**
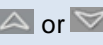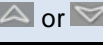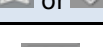
The XMC25D controller provides 2 programming levels:

- **Pr1** with direct access
- **Pr2** protected with a password (intended for experts)

Explanation of LED functionalities:

LED	Mode	Function
1	On	Compressor 1 enabled
	Flashing	Anti-short cycle delay enabled
(fan)	On	Condensing fans enabled
bar	On	Display in bar
	Flashing	Programming mode
PSI	On	Display in PSI
	Flashing	Programming mode
(wrench)	On	When browsing the service menu
	Flashing	In fast access menu
(alarm book)	On	When browsing the Alarm menu
	Flashing	A new alarm occurred
(warning)	On	An alarm is occurring
(unloader)	On	Digital unloader solenoid On

How to program the "Pr1" parameters:

Access pre-program level	SET + ▽	Press simultaneously for about 3 seconds to access the pre-programming level. The message **rtC** (real time clock) is displayed.
Access program level	△ or ▽	Use the **UP** and **DOWN** keys to switch to the Par label.
Access Pr1	SET	Press the **SET** key to enter programming level 1. The first parameter **C01** is displayed.
Select item	△ or ▽	Select a parameter or submenu using the arrows.
Show value	SET	Press the **SET** key.
Modify	△ or ▽	Use the arrows to modify the value.
Confirm and store	SET	Press the **SET** key: the value will blink for 3 seconds, then the display will show the next parameter.
EXIT	SET + △	Press simultaneously to exit the programming mode or wait for 30 seconds without pressing any key.

The following "Pr1" parameters must be verified before commissioning:

Parameter	Description	Unit	Factory settings OMTE	Factory settings OLE	Factory settings OLTE	Comments
C01	Compressor cut-in pressure setpoint	bar*	-	1.0	-	Only for OLE-49 units
C02	Compressor cut-out pressure setpoint	bar*	-	0.5	-	Only for OLE-49 units
C07	Refrigerant selection for regulation	-	R449A			R404A, R134A, R407A, R407F, R407C, R448A, R449A, R507
C16	Digital compressor setpoint	bar*	2.6	-	1.0	For digital units
C17	Proportional band for compressor regulation	bar*	2.0	-	1.0	For digital units
C21	Cycle time for digital compressor	sec	20	-	20	For digital units
C24	Minimum capacity for digital compressor	%	20	-	30	For digital units
C25	Maximum capacity for digital compressor	%	100	-	100	For digital units
D29	Low-pressure alarm value	bar*	0.5	0.0	0.0	
E62	Maximum fan motor speed	%	85	80	80	
E66	Delta temperature condenser floating setpoint	°C	8	8	8	
T18	Access to Pr2 level	-	Password: 3 2 1			

* Pressure values are always relative

Time and date (Pr2 Level) have to be adjusted before commissioning:

Parameter	Description	Factory settings	Range
N01	Current minutes	-	0 to 59
N02	Current hours	-	0 to 23
N03	Day of the month	-	1 to 31
N04	Month	-	1 to 12
N05	Year	-	0 to 99

NOTE: **Error L21 can happen during first commissioning. This lockout indicates a wrong phase sequence. In this case two phases at the power supply terminals must be changed.**

NOTE: **This guide is for quick installation purposes. For detailed instructions, please refer to Application Guidelines AGL_Unit_LOCU_EN "Copeland™ Large Outdoor Refrigeration Units".**