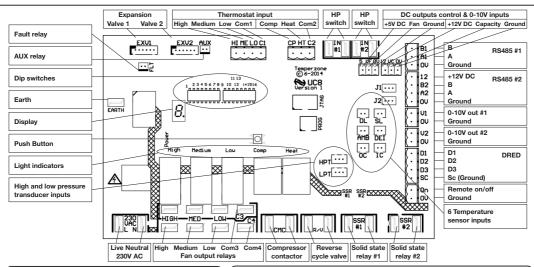
## Unit Controller (UC8) - for Air-to-Air systems

## temperzone Itd



2007 AG	
Faults	
Low pressure protection active	
High pressure protection active	
High temperature protection active	
Indoor coil frost protection active	
High suction line temperature protection active	
Low discharge superheat protection active	
High discharge superheat protection active	
Overload protection active	
Outdoor fan fault	
Indoor fan fault	
Low pressure transducer fault	
High pressure transducer fault	
Suction line temperature sensor fault (SL)	
Discharge line temperature sensor fault (DL)	
De-Ice temperature sensor fault (DEI)	
Outdoor coil temperature sensor fault (OC)	
Indoor coil temperature sensor fault (IC)	
Ambient temperature sensor fault (AMB)	
Superheat unknown	
Thermostat communication lost	
BMS or master communications lost	
Slave 1 communcations lost	
Slave 2 communcations lost	
Slave 3 communcations lost	
Error reading DIP switch settings	
Invalid fan selection	
High controller temperature	
Supply voltage out of bounds	
A slave unit reports a fault	
Controller internal communication problem	
Problem with pressures or transducer readings	
Reverse cycle valve fault	
Invalid dip switch settings on TZT-100 thermostat	
Indoor unit communications lost	
Indoor unit reports a fault	
Variable speed compressor driver fault	
Compression ratio too high	
Compression ratio too low	
Evaporating pressure / temperature too high	

Condensing pressure / temperature too low

F43

Display Messages (Normal Operation)	
UC8 X.X.X	Name and software version (shown only after power-on) e.g. 1.5.2
dELAY	Unit waits for a random delay time (up to 20s, shown only after power-on)
• (flashing)	Normal mode
- (flashing)	Unit is OFF by Remote On/Off signal
dE-ICE	De-icing the outdoor coil
С	Commissioning mode (lasts for 30 minutes)
t	Test mode (lasts about 1 minute)
HOLd	Compressor held-on or held-off by a timer
dr	DRED energy consumption restriction active
н	Indoor fan High speed selection
L	Indoor fan Low speed selection
E	Compressor model selection
Α	Modbus device Address selection
J	Shared or separate outdoor fan chamber selection
d	Forced de-ice cycle
Monitoring of pressures and temperatures.  Press the push button to cycle through the following options (round robin fashion):	
• or c	No temperature display (default)
sLP	Suction line pressure (kPa)
Et	Evaporating temperature (°C)
SLt	Suction line temperature (°C)
SSH	Suction side superheat (K)
dLP	Discharge line pressure (kPa)
Ct	Condensing temperature (°C)
dLt	Discharge line temperature (°C)
dSH	Discharge side superheat (K)
ICEt	Outdoor coil de-ice sensor temperature (°C)
CAP	Unit capacity (%)
EE1	Expansion valve 1 opening (%)
EE2	Expansion valve 2 opening (%)

## How to activate Special Modes

- · Thermostat and compressor must be OFF.
- . Press and hold pushbutton until the display shows the letter that corresponds to the special mode. Note: depending on the model some special modes may not be available.

c - Commissioning mode

- Available special modes are:
- t Test mode
- H Indoor fan high speed selection L - Indoor fan low speed selection
- d Forced outdoor coil de-ice cycle E - Compressor model selection
- A Modbus address selection J - Outdoor fan chamber selection Release the push button as soon as the display shows the correct letter.