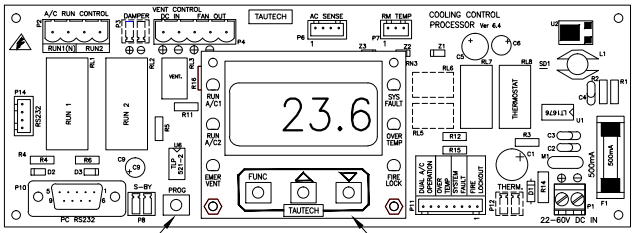
MANUAL PROGRAMMING PROCEDURE FOR VERSION 6.4 COOLING CONTROL PROCESSOR

1. Enter Setup or Engineering Mode as described below.
2. Scroll through Setup or Engineering Mode Functions using the Function Button. (Closed loop scrolling that is only available once the relevant Mode is entered.)
3. With the relevant Function selected, the Up/Down Arrow Buttons are used to increment/decrement set point values or to toggle programming options as required.
4. Adjustment to operating set points or functions are effected only once the relevant Setup or Engineering Mode is closed. (Temperature display re-established.)
5. From within Setup or Engineering Mode, momentary pressing of the Programming Button will revert system operation back to room temperature display and normal operation mode.

Note

Blinking display indicates time delay prior to execution of next operation. (Upon initiation or following switch OFF of A/C-unit(s) due to system control or mains power interruption, A/C-unit(s) are only allowed ON again after a preset time delay. The purpose of this is to protect the A/C-unit(s) against mechanical abuse, to ensure successful restarting or to allow time for a stand-by mains supply to stabilise.

COOLING CONTROL PROCESSOR VER. 6.4



SETUP MODE

To enter Setup Mode, press and hold Programming Button PB1 for 2 seconds.

Room Temp. → Press Funct → Close* or Time-out

Function		Description	Set Point	Dimension
Ao	:	A/C Activation operate set point.	20	Deg. C
Ar	:	A/C Activation reset set point.	17	Deg. C
do	:	Dual A/C Operation operate set point.	28	Deg. C
dr	:	Dual A/C Operation reset set point.	25	Deg. C
dF	:	Dual A/C Operation alarm output no/nc logic.	nc	
Oo	:	Over Temp Alarm operate set point.	33	Deg. C
Or	:	Over Temp Alarm reset set point.	30	Deg. C
OF	:	Over Temp Alarm output no/nc logic.	nc	
to	:	Optional Second Temp Alarm / Thermostat Output operate set point.	42	Deg. C
tr	:	Optional Second Temp Alarm / Thermostat Output reset set point.	39	Deg. C
tF	:	Optional Second Temp Alarm / Thermostat Output no/nc logic.	nA	
Fo	:	Emergency Vent AC power fail conditional operate set point.	30	Deg. C
Fr	:	Emergency Vent AC power fail conditional reset set point.	27	Deg. C
.Fo	:	Emergency Vent un-conditional operate set point.	40	Deg. C
.Fr	:	Emergency Vent un-conditional reset set point.	37	Deg. C

* Close programming by brief press of PB1 (or time-out).

ENGINEERING MODE

To enter Engineering Mode, press and hold Programming Button PB1 for 4 seconds.

Room Temp. → Press Funct → Close* or Time-out

Function		Description	Set Point	Dimension
Cd	:	Change A/C Operation duty Run 1 to Run 2 or vice versa.	-	
Ct	:	Set Cycle Time period in hours. (nE set point represents no cycling.)	24	hours
St	:	Set System Test Mode to artificially swing temp. up and down as a system test procedure from current to 60°C to -10°C cycling.	NO	
PP	:	Recorded highest temperature since System Reset.		Deg. C
Pd	:	Recorded lowest temperature since System Reset.		Deg. C
PS	:	System Reset function to reset PP/Pd and historical alarms etc.	NO	
Sb	:	Stand-by Power Dual A/C operation suppression allowed.	YE	
SE	:	Stand-by Power Extended activation delay operation allowed.	YE	
SF	:	Stand-by Power status Input no/nc logic.	no	
CL	:	System and temperature display calibration off-set.	Factory	Deg. C

NOTE:
OPTIONAL WINDOWS BASED SIRIUS CONFIGURATION TOOL SOFTWARE PACKAGE IS AVAILABLE FOR STANDARD CONFIGURATION AND ADVANCED LOGGING FUNCTIONALITY.

SYSTEM CODES

FL 1	:	Mains 1 failed or A/C1 not available.
FL 2	:	Mains 2 failed or A/C2 not available.
FL 1.2:		Mains 1 & 2 failed or A/C1 & A/C2 not available.
ALO	:	Operating conditions below Activation Lockout set levels.
SbY	:	Stand-by Power running status Input active.
SbE	:	SbY Actiive & causing Effect.
nA	:	Not Available on this hardware.
nE	:	Function not Enabled.
FLO	:	Fire Lockout Activated.
tSFt	:	Temperature Sensor Fault.
PrFt	:	Processor/Memory Fault.
Blinking Display:		Indicates Time delay.

ASSOCIATED DRAWINGS

No:	Description

REVISIONS

No.	Dat.	Description	Ckd.

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CUSTOMER:

PROJECT:
SIRIUS COOLING CONTROL UNIT

TITLE:
MANUAL PROGRAMMING PROCEDURE

SCALE: N.T.S.	DATE: OCT 2007
DESIGNED: A.J.V.R	APPROVED:

DRAWING NO.: CCP-MAN6.4