SPECIFICATIONS

temperzone

Model Configuration Item No. (Standard / Opposite Hand)	**OPA 705RKTBG-PZ ECO** Downward Supply c/w Economiser 867-071-723 / 867-071-732
Cooling capacity (net) to AS/NZS 3823 T1	67.9 kW
Heating capacity H1	67.5 kW
Electrical input - cooling	20 kW
Electrical input - heating	18 kW
EER / AEER (cooling)	3.30 / 3.28
COP / ACOP (heating)	3.75 / 3.73
Unit Controller	UC8 (x2)
Refrigerant	R410A
Refrigerant Charge	14 kg/sys.
Compressor oil type	POE 32-3MAF (or equivalent)
Compressor type	digital + fixed scroll
Power supply	3 ph. 400V ac 50Hz
Compressor (3ph.) run amps at rating cond.	16 A/ph. (x2)
Compressor overload setting	22 A (x2)
Compressor circuit breaker	40 A (x2)
Indoor fan motor size	EC Plug 500 dia. 2.65kW (x2)
Nominal air flow at rating conditions	3700 l/s
Indoor fan motor (3ph.)	4.5 A/ph. (x2)
Outdoor fan motor (1ph.) - full load	1.7 A (x4)
Oudoor fan capacitor size	8 μfd (x4)
Control circuit breaker (internal)	4 A
Single phase socket circuit breaker	10 A
Running amps (total system)	33 / 40 / 34 A
Max. running amps (total system)	46 / 54 / 47 A
Net weight	1193 kg

Accessories:

Filters - rated EU4/G4 disposable	019-400-008 500x450x50 (x9)

Optional Controls:

Viking controller	201-000-191

Refer to temperzone for other options.

Tested in accordance with AS/NZS 3823

16085

eco series

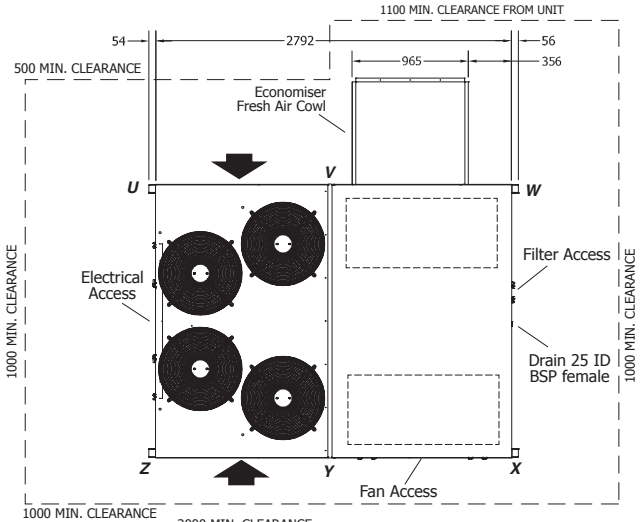
DIMENSIONS (mm)

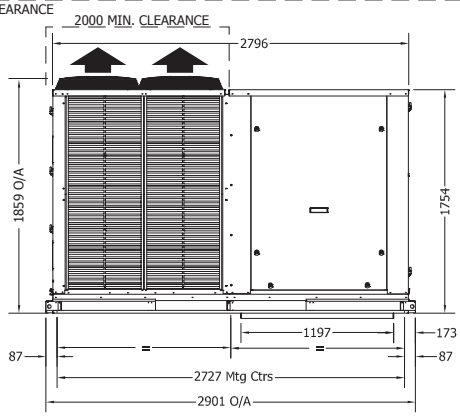
PROJECTION

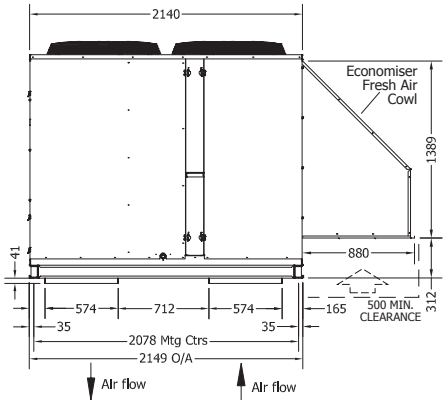
Not to Scale

OPA 705RKTBG23-PZ Standard Hand

POINT LOADS (kg)					
U	V	W	X	Y	Z
237	196	181	185	193	201

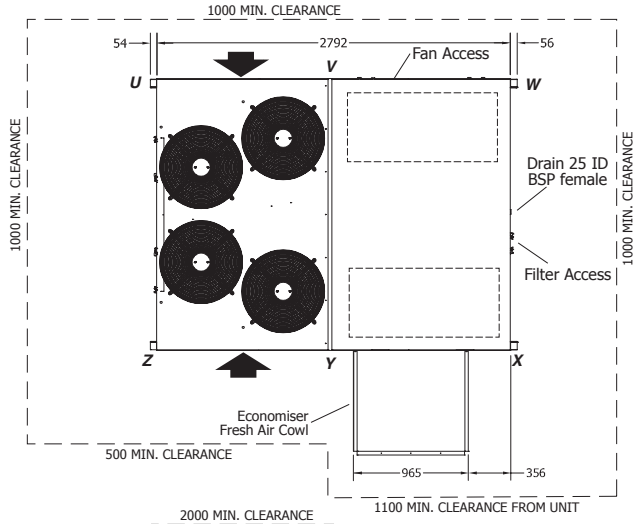


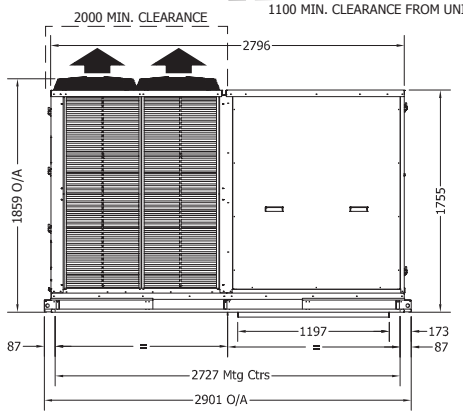


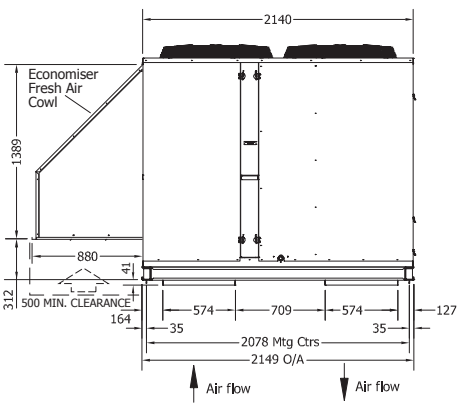


OPA 705RKTBG32-PZ Opposite Hand

POINT LOADS (kg)					
U	V	W	X	Y	Z
201	193	185	181	196	237

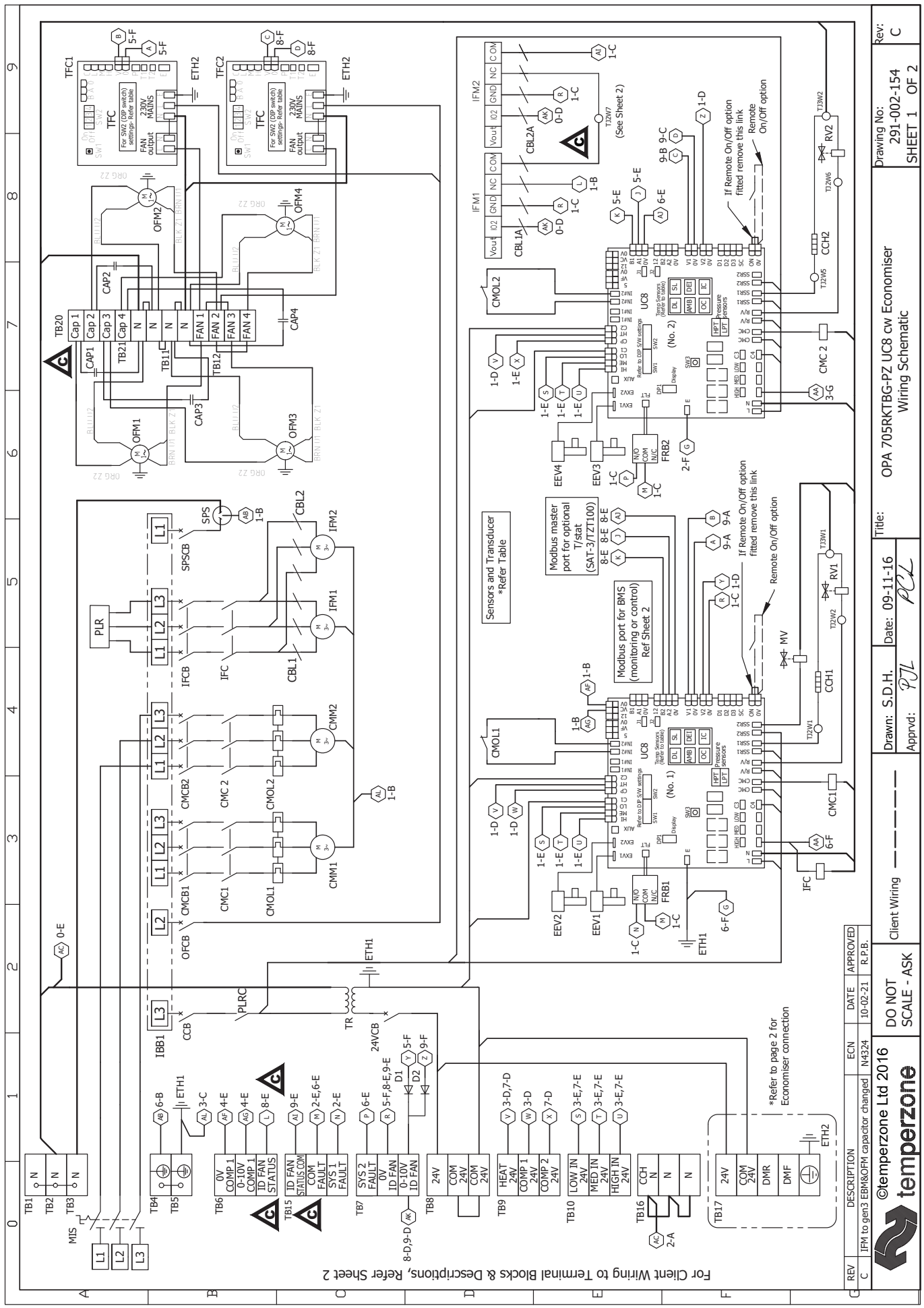




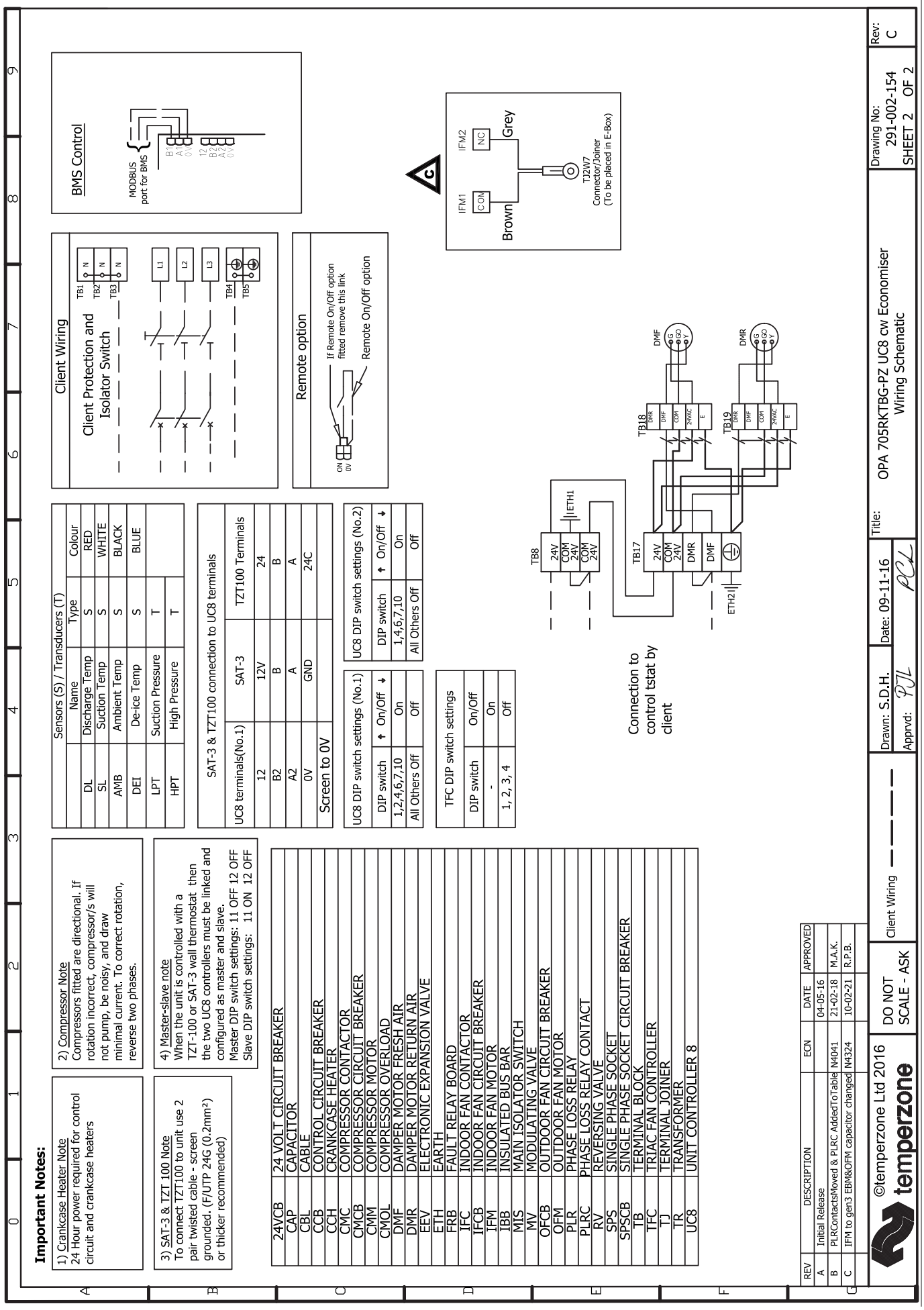


NOTE
Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.

temperzone


For Client Wiring to Terminal Blocks & Descriptions, Refer Sheet 2
*Refer to page 2 for Economiser connection
Sensors and Transducer *Refer Table
Modbus master port for optional T/stat (SAT-3/TZT100)
Modbus port for BMS (monitoring or control) Ref Sheet 2
If Remote On/Off option fitted remove this link
Remote On/Off option
Refer to DIP SW settings
Temp Sensors, (Refer to table)
Pressure sensors
TFC
For SW2 (DIP switch) settings- Refer table
FAN output
230V MAINS
TFC1
TFC2
ETH2
TB20
Cap 1
Cap 2
Cap 3
Cap 4
FAN 1
FAN 2
FAN 3
FAN 4
CAP1
CAP2
CAP3
CAP4
OFM1
OFM2
OFM3
OFM4
IFM1
IFM2
CBL1A
CBL2A
CMOL1
CMOL2
CMC 1
CMC 2
CMCB1
CMCB2
CMM1
CMM2
IFC
IFCB
IFM1
IFM2
CBL1
CBL2
PLR
SPS
SPSCB
OFCB
CCB
IBB1
PLRC
TR
24VCB
ETH1
UC8
EEV1
EEV2
EEV3
EEV4
FRB1
FRB2
CMOL1
CMOL2
CCH1
CCH2
RV1
RV2
MV
TB1
TB2
TB3
TB4
TB5
TB6
TB7
TB8
TB9
TB10
TB11
TB12
TB16
TB17
MIS
L1
L2
L3
0V
0-10V
COMP 1
ID FAN STATUS
SYS 1 FAULT
SYS 2 FAULT
ID FAN
24V
COM
HEAT
COMP 2
LOW IN
MED IN
HIGH IN
CCH
DMR
DMF
Drawn: S.D.H.
Date: 09-11-16
Apprvd: PJL
Client Wiring
DO NOT SCALE - ASK
Title: OPA 705RKTBG-PZ UC8 cw Economiser Wiring Schematic
Drawing No: 291-002-154
SHEET 1 OF 2
Rev: C
REV
DESCRIPTION
ECN
DATE
APPROVED
C
IFM to gen3 EBM&OFM capacitor changed
N4324
10-02-21
R.P.B.
©temperzone Ltd 2016
temperzone

Refer 'Installation & Maintenance' pamphlet for more information.



© temperzone limited 2021