

QCR14 / QCR15 - TCR14 / TCR15

SLIMLINE 230V CO2 AND TEMPERATURE TOUCH CONTROLLERS (rH, VOC, PIR)



Bluetooth

BACnet LoRaWAN Modbus

The xCR14/xCR15 Series Controllers have been designed to be wall mounted universal temperature, air quality, humidity controllers in room spaces. The controllers are supplied with 90-250V power supply. The room controllers are typically supplied with a colour touchscreen display with glass front that provides intuitive user interface. An optional PIR sensor is available. The controllers have built-in Modbus RTU or BACnet MS/TP communication that allow interaction to the BMS systems. Optional Bluetooth wireless interface provides Smart Phone App interface (iOS). LoraWan option allows integration wirelessly to the LoraWan systems.



Technical Details Summary

Power:	90-250VAC 50/60Hz, 0.15A
Temperature:	Range: 0..50° (32..122°F) Accuracy: ±0.5°C
CO2 (QCR Models):	Range: 0..5,000ppm Accuracy: ±30ppm ±3.0% m.v.
Humidity (Option):	Range: 0..100%rH Accuracy: ±2%rH (within 20 to 80%rH)
VOC (Option):	Volatile Organic Compound Range: Air Quality Index : 0..500 Device to Device Variation: ±10 index points
PIR (Option):	Occupancy Detection, Range: 5m
Inputs:	xCR14: 1 x Universal Input, NTC10, 0-10V, Digital xCR15: 2 x Universal Inputs, NTC10, 0-10V, Digital
Analogue Outputs:	xCR14: 3 x Analogue 0-10Vdc Outputs, max 2mA xCR15: 4 x Analogue 0-10Vdc Outputs, max 2mA
Relay Outputs:	xER14: 1 x 230Vac Relay, max 5A res.
Communications:	Modbus RS485 or BACnet MS/TP, with 60V Fault Tolerance, 1/10 Unit Load
Wireless:	Bluetooth Interface to SmartPhone App or BLE USB Dongle LoraWan® Wireless Interface (EU868, US915, AS923)
Display:	Full Colour 2.4" LCD, 240x320px
Touch:	Capacitive Touchscreen
Terminals:	Rising Cage Screw Terminals, 0.2 to 2.5mm ² / 26 to 12 AWG
Enclosure:	ABS ULV0 Plastics - White or Black, IP30 Hardened Glass ≥6H for Display/Touch
Dimensions:	W86 x H86 x D24mm W86 x H86 x D13.8mm (Surface Part) W86 x H86 x D39mm (Total)
Origin:	United Kingdom

Part Number		SKU# Number	
Product Name	Code	Product Options	
TCR14	Slimline Room Temperature Controller, 1UI, 3AO, 1RO (230V), 90-250Vac Supply	5700	
QCR14	Slimline Room Temperature and CO2 Controller, 1UI, 3AO, 1RO (230V), 90-250Vac Supply	5750	
TCR15	Slimline Room Temperature Controller, 2UI, 4AO, 90-250Vac Supply	5800	
QCR15	Slimline Room Temperature and CO2 Controller, 2UI, 4AO, 90-250Vac Supply	5850	
Communications Options			
MOD	Modbus RS485, Up to 60V Protection	1	
BAC	BACnet MS/TP, Up to 60V Protection	2	
Interface and Wireless Options			
	No Interface (Blank Front)		00
TS	Colour Capacitive Touchscreen		02
BLE	Bluetooth App Interface		03
TS-BLE	Touchscreen and Bluetooth		05
LRA	LoraWan Wireless Interface, EU868Mhz		06
TS-LRA	LoraWan Wireless Interface EU868 with Touchscreen		08
Measurement Options			
	No Extra Measurements		00
RH	Relative Humidity, 2% Acc		01
RH-VOC	Volatile Organic Compound and Humidity		02
OE	Passive Infrared Movement Sensor (PIR)		03
RH-OE	Relative Humidity and Movement (PIR)		04
RH-VOC-OE	VOC, Relative Humidity and PIR		05
Colour Options			
B	Black		00 01
W	White		00 02

Order Example: TCR15-MOD-TS-RH-W, SKU# 5800 102 01 00 02

