

	EVOLUTION EVC-P Conventional Optical Sensor	TD-EVC-P-08
		November 2013
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TECHNICAL DATASHEET		

Part Numbers and Product Order Codes:-

Part Number	-	-	-	-	-	EVC-P
Description	-	-	-	-	-	Conventional Evolution Optical Sensor
Computer Reference Number	-	-	-	-	-	F03C82200 F03N82200

Technical Specifications:-

Sensor Method	-	-	-	-	-	Light Scatter
Sensor Element	-	-	-	-	-	1 x Light Emitting Diode
Operating Voltage	-	-	-	-	-	12V d.c. to 32V d.c.
System Voltage	-	-	-	-	-	24V d.c.
Quiescent Current	-	-	-	-	-	50µA
Alarm Current	-	-	-	-	-	50mA
Current for external remote LED indicator	-	-	-	-	-	2mA
Operating Temperature	-	-	-	-	-	- 10°C to + 55°C
Storage Temperature	-	-	-	-	-	- 20°C to + 60°C
Charging Time	-	-	-	-	-	20 Seconds
Relative Humidity	-	-	-	-	-	≤ RH95% non-condensing.
I.P. Protection Rating	-	-	-	-	-	IP42
Material	-	-	-	-	-	ABS
Dimensions	-	-	-	-	-	Ø104mm x 33mm (Sensor head) Ø104mm x 48mm (Sensor head and UB-4)
Mass	-	-	-	-	-	118g (Sensor head) 183g (Sensor head and UB-4 base)
EMC Conformance	-	-	-	-	-	BSEN50130-4
CPR Number	-	-	-	-	-	0832-CPR-F0398 & F0411
Standards / Certification	-	-	-	-	-	EN54-7: 2000 LPCB 041
DoP Number	-	-	-	-	-	F0398 & F0411

All wiring must conform to the current edition of IEE Wiring regulations and BS5839 Part 1

All loop Cable Screens shall be connected together, but must be Isolated from Ground. Cable Screens shall be connected to Earth Ground within the Control Panel ONLY.

