FIT

Revolutionising air compressor control and performance monitoring

Airmaster FIT is an efficient solution to control and monitor the performance and health of a stand-alone air compressor.

Incorporated within the chosen air compressor, FIT monitors performance and health during operation providing local insights via its colour graphic display.

Automate local asset groups using FIT's 'Internal System Control' software. Alternatively, FIT can be integrated with an Airmatics™ Command & Control product

Protect your investment with FIT's built-in 'phase' protection circuit and both prime and fan motor 'current' protection

Industry 4.0 / IOT ready to integrate with Airmatics™ and Aircloud, a dedicated 'APP' for cloud based asset performance and health monitoring

SPECIFICATIONS

ITEM	DESCRIPTION	TERMINAL
Input Power	24vAC (+/- 20%), 50/60 Hz	X06
Max. Power consumption	0.3A	
Input/Output (I/O)	Analogue input, 4-20mA, Asset delivery pressure	X04
	Analogue input, 4-20mA, Asset internal pressure	
	Analogue input, PT100, Asset air/oil temperature (compressor discharge)	
	Digital Input, Volt free contact, Asset status (EMERGENCY STOP)	X03
	Digital Input, Volt free contact, Asset status (AIR FILTER DP)	
	Digital Input, Volt free contact, Asset status (OIL FILTER DP)	
	Digital Input, Volt free contact, Asset status (REMOTE LOAD ENABLE)	
	Digital Input, Volt free contact, Asset status (REMOTE LOAD/OFFLOAD)	
	Digital Input, Volt free contact, Asset status (FAULT CONDITION)	
	Relay Output, 250V/5A resistive load, Asset status (MAIN CONTACTOR)	X08
	Relay Output, 250V/5A resistive load, Asset status (STAR CONTACTOR)	
	Relay Output, 250V/5A resistive load, Asset status (DELTA CONTACTOR)	
	Relay Output, 250V/5A resistive load, Asset status (LOAD SOLENOID)	X09
	Relay Output, 250V/5A resistive load, Asset status (FAN CONTACTOR)	
	0 - 600V AC, L1, L2, L3, Asset voltage (CATIII)	X07
	100mA CT, Asset prime motor current - L1	X05
	100mA CT, Asset prime motor current - L2	
	100mA CT, Asset fan motor current - L1	
Communications	Serial RS485 Airbus485TM asset comm's	X01
	Serial Modbus RTU asset comm's	X02
Display	2.4" (240x320 px), Colour graphic display	
Keypad	6 tactile push buttons	
Mounting	Panel mount, M3 x 6mm screw fixings	
	Optional bracket mount, incl. M4 x 30mm screw fixings	
Construction	FRONT: IP65 (NEMA4), REAR: IP20, Pollution degree II	
Operating temperature	0 to +60°C / 32 to +140°F, <95% relative humidity (non-condensing)	
Storage temperature	-25 to +70°C / -13 to +158°F	
Weight	250 grams / 8.8 ounces	
Dimensions	155mm (L) x 105mm (W) x 42mm (H) / 6.10 inch (L) x 4.13 inch (W) x 1.65 inch (H)	
Certifications	CE, UL, CSA, EAC	

- Durable ABS plastic enclosure
- Convenient terminal arrangement
- IP65 / NEMA4 fascia protection
- Colour graphic display
- Build-in' phase protection
- Prime and Fan motor current protection
- MODBUS ready
- Industry 4.0 / IOT ready
- Asset group control ready
- Command & Control ready

Visit **www.controlcompressors.com** to learn more or call:

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EMPOWERING THE COMPRESSED AIR USER.

AIRMASTER