

SpaceLogic Controllers - MP-C

MP-C Controller is designed for VAVs and fan coil, heat pump, roof top and air handling units. They feature scalable and flexible topologies that enable data transmission from connected equipment, which enhance the ability to diagnose and resolve issues faster. Also manage commissioning activities conveniently from mobile devices with the EcoStruxure Building Commission Mobile App.

SpaceLogic IP Controller MP-C



MP-C

Note: Screw terminals are prepopulated. Spare is available. See accessories section on page S6.

	MP-C-15A	MP-C-18A	MP-C-18B	MP-C-24A	MP-C-36A
Part Number	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
Other Models	MP-C-15A-SMK MP-C-15A-BAA	MP-C-18A-SMK MP-C-18A-BAA	MP-C-18B-SMK MP-C-18B-BAA	MP-C-24A-SMK MP-C-24A-BAA	MP-C-36A-SMK MP-C-36A-BAA
Part Number (UL-864 Smoke Control)	SXWMPC15A1S001	SXWMPC18A1S001	SXWMPC18B1S001	SXWMPC24A1S001	SXWMPC36A1S001
Part Number (Buy American Act Compliant)	SXWMPC15A10A01 SXWMPC15AB10A01*	SXWMPC18A10A01	SXWMPC18B10A01	SXWMPC24A10A01	SXWMPC36A10A01 SXWMPC36AB10A01*
Communication					
Communication Interface	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC
Software					
Programability	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
Physical					
Dimensions	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	234 W x 110 H x 64 D mm (9.2 W x 4.3 H x 2.5 D in.)	234 W x 110 H x 64 D mm (9.2 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.358 kg (0.789 lb)	0.371 kg (0.818 lb)	0.361 kg (0.796 lb)	0.495 kg (1.091 lb)	0.547 kg (1.206 lb)
Power					
Power	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
Consumption	12 W	12 W	12 W	15 W	18 W
Environmental					
Operating Range⁶	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop
CPU Internals					
CPU	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
Memory	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)
Battery	No	No	No	No	No
Real time clock	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum
External Features					
Enclosure rating	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)
Manual Override of Outputs	Yes	Yes	Yes	Yes	Yes
Digital Status LEDs	Yes	Yes	Yes	Yes	Yes
Intelligent Sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors
Sensor Bus	Yes	Yes	Yes	Yes	Yes
Terminals					
I/O terminals	Two-piece terminal	Two-piece terminal	Two-piece terminal	Two-piece terminal	Two-piece terminal
External Enclosure/ Mounting					
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount

SpaceLogic IP Controller MP-C (continued)

	MP-C-15 A	MP-C-18 A	MP-C-18 B	MP-C-24 A	MP-C-36 A
Part Number	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
Certifications					
BTL	Yes	Yes	Yes	Yes	Yes
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
REACH	Yes	Yes	Yes	Yes	Yes
Innovation, Science and Economic Development Canada (ISED)	Class B (Emission)	Class B (Emission)	Class B (Emission)	Class B (Emission)	Class B (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	Yes	Yes	Yes	Yes	Yes
CE - EU	Yes	Yes	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes	Yes	Yes
RCM	Yes	Yes	Yes	Yes	Yes
US Patent					

SpaceLogic Controllers MP-C and MP-V conform to the BACnet® Advanced Application Controller (B-AAC) profile. Refer to BACnet International's site, BTL Listing of Tested Product page for up-to-date details on BTL certifications for product version. EcoStruxure solution installations or BMS transitions requiring UL-864 certifications must use the SpaceLogic Controller MP-C-xxx-SMK (listed above).

***Note:** SXWMPC15AB10A01 is a Buy American Act (BAA) compliant SpaceLogic MP-C-15A-BAA Controller bundle, which includes SpaceLogic MP-C-15A-BAA Controller and MP-C Override Display Module MP-C-BAA DISPLAY.

SXWMPC36AB10A01 is a Buy American Act (BAA) compliant SpaceLogic MP-C-36A-BAA Controller bundle, which includes SpaceLogic MP-C-36A-BAA Controller and MP-C Override Display Module MP-C-BAA DISPLAY.