tradewinds°
CLIMATE SYSTEMS

SUBMITTAL DATA | GMVGMS-GW1 for use with Mini Split System

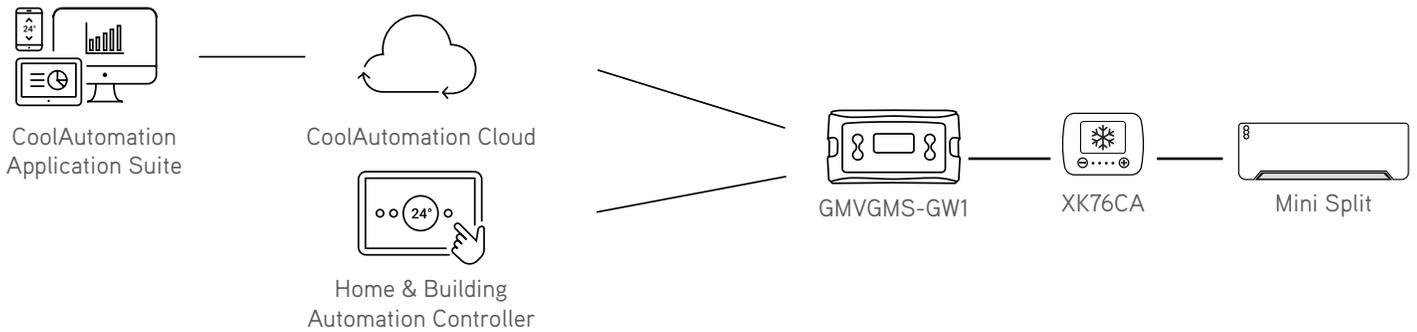|		
Job Name	Location	Date
Purchaser	Engineer	
Submmited to	For	
Unit Designation	Schedule No.	

GMVGMS-GW1

GENERAL FEATURES

- **XK76CA** kit is Required for Each Mini Split Indoor Unit to Communicate With the Cool Automation Interface GMVGMS-GW1 and the kit needs to be ordered separately.
- **XK76CA** kit includes XK76 wired controller and 2 wiring harnesses.
- Supports Only One Mini Split System
- Real Time Control & Monitoring of Mini Split System Operation and Status
- BACnet / Modbus Integration With Building Management Systems (BMS)

- Intuitive and Simple Device Configurations Through Back-lit LCD Display
- Small Size and Magnetic Mounting for Portable Installation
- Monitor Systems' Technical Data for Advanced Monitoring
- Remote Access to CoolAutomation Professional Application Packages (Additional License)
- Remote Access via Smart Phone, Tablet or PC by Using the CoolAutomation Cloud-based Control Application (Additional License)

SPECIFICATIONS & CONNECTIVITY

SPECIFICATIONS		GMVGMS-GW1
Power supply	Min load	5VDC/60mA (via mini USB); 12VDC/35mA; 24VDC/20mA
	Max load	5VDC/100mA (via mini USB); 12VDC/70mA; 24VDC/40mA
Mounting		Magnet
Operating conditions	Ambient temperature	14˚F ~ 140˚F
	Humidity	0 % ~ 96% non-condensing
Storage conditions	Ambient temperature	-4˚F ~ 158˚F
	Humidity	0 % ~ 98 % non-condensing
Dimension (in)	H x W x D	2.56 x 4.50 x 1.22
LCD	Size / Color / Interface	2 x 8 / grey / HD44780
Communication functions	Direct Gree unit connection	Connection to the GREE Mini Split units over RS485 interface
	MODBUS RTU	RS-485 communication line
	Ethernet	100 Mbps
	BACnet MSTP	RS-485 communication line
	USB Device	12 Mbps
Maximum PBU wiring length (ft)		3280/1000 (2 Conductor 20-22 Awg Shielded Twisted Pair Cable)
Maximal allowable wiring length (to BMS) over RS485 (ft)		3300
Maximal allowable wiring length (to router) over Ethernet (ft)		450
Control & Monitoring		Setpoint, On/Off, Fan Speed, Operation Mode, Louver Position, Error codes, Room temperature, setpoint range, Lock/unlock (specific models) Local Controller functions
Advanced technical monitoring (model dependent)		Outdoor Temperature, Evaporation Temperature, compressor status, defrost, more
Maximum connected units		1

CONNECTIVITY

CoolAutomation Application Suite

CoolAutomation Cloud

Home & Building Automation Controller

GMVGMS-GW1

XK76CA

Mini Split