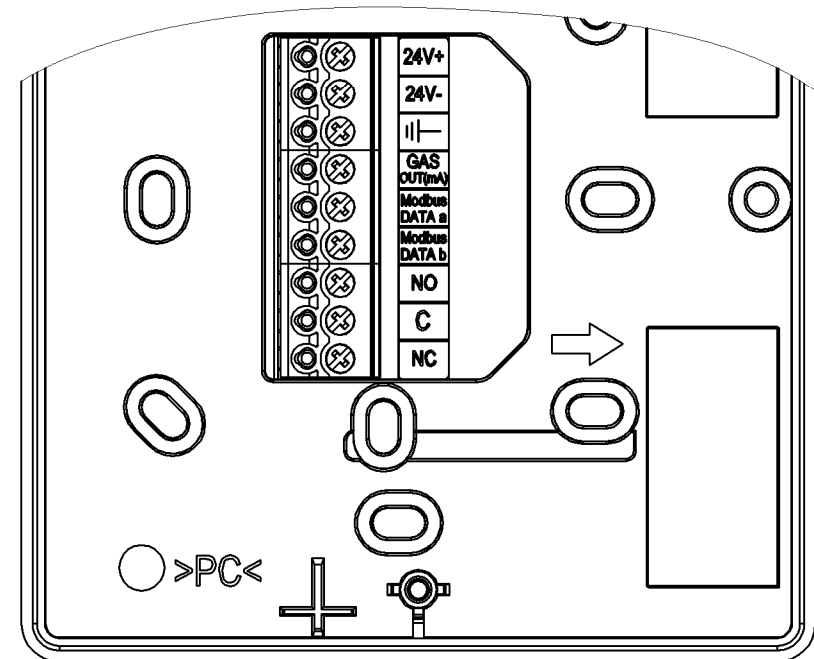
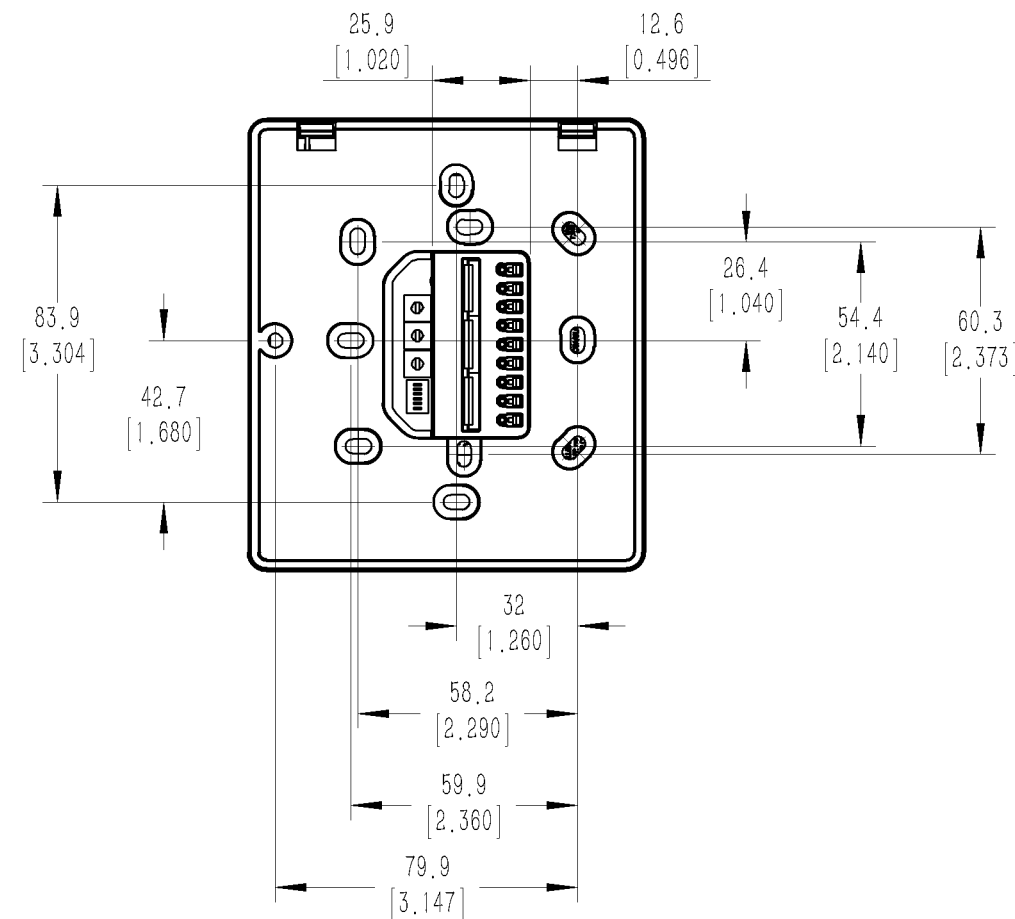
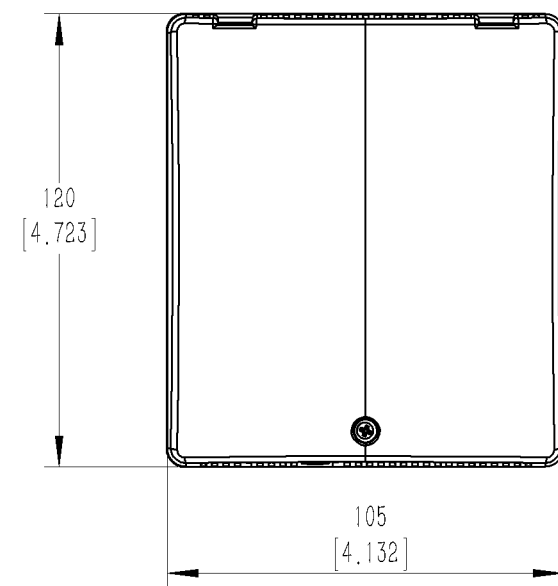
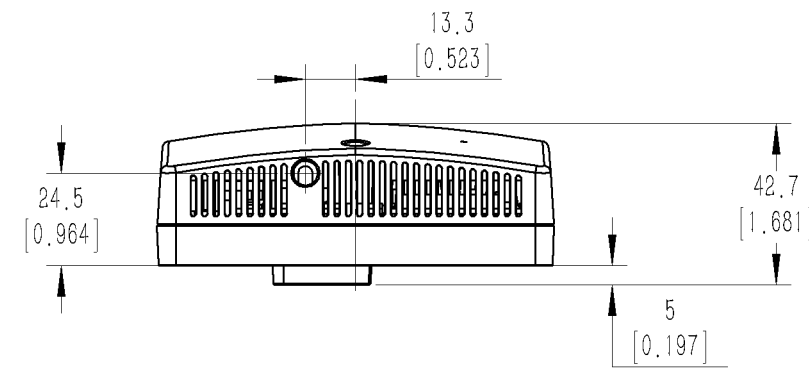


Part Number	DESCRIPTION
10175201	DETECTOR,CHILLGARD VRF,VOLTAGE,MODBUS
10175202	DETECTOR,CHILLGARD VRF,CURRENT,MODBUS
10175203	DETECTOR,CHILLGARD VRF,VOLTAGE,BACNET
10175204	DETECTOR,CHILLGARD VRF,CURRENT,BACNET

REVISIONS	
2016/11/06	
Draft Version	J.L
	J.Z



Terminal connection	Description
24V+	24V DC+ or AC Line
24V-	24V DC- or AC Neutral
	Circuit common/analog signal reference
GAS OUT (mA or V)	For (mA) - Gas reading as current (4 - 20 mA = 0 - 1000 ppm) For (V) - Gas reading as voltage (2 - 10 V = 0 - 1000 ppm)
DATA a (BACnet or Modus)	For BACnet - RS485 BACnet MSTP (a) connection For Modbus - RS485 Modbus RTU (a) connection
DATA b (BACnet or Modus)	For BACnet - RS485 BACnet MSTP (b) connection For Modbus - RS485 Modbus RTU (b) connection
NO	Relay - normally open
C	Relay - common
NC	Relay - normally closed

Notes:

- ACCEPTED WIRE SIZE: 14-26 AWG (SINGLE WIRE ONLY), TO CONNECT UNITS IN SERIES, THE CONNECTOR TERMINALS WILL EXCEPT UP TO TWO WIRES BETWEEN 18-26 AWG.
- POWER REQUIREMENTS:  
24 VAC ±20%, 50/60 HZ, CLASS 2 TRANSFORMER OR 24 VDC ±20%, CLASS 2 POWER SUPPLY.
- LED INDICATION:  
NORMAL - FLASH ONCE PER 60 SECS  
STARTUP - FLASH 1 HZ (ONCE PER SEC)  
CAL CHECK - SLOW FLASH 0.5 HZ (ONCE EVERY 2 SECS)  
ALARM - FAST FLASH AT 3 HZ (3 TIMES PER SEC)  
FAULT - SOLID ON
- WEIGHT: 230g (0.5 LBS) .
- FOR RS485: ENABLE THE TERMINATION RESISTOR ONLY IN THE UNIT THAT IS FURTHEST FROM THE CONTROLLER. ENSURE THAT ONLY ONE UNIT ON THE BUS HAS THIS ENABLED. USE SWITCH S303-6 ('ON' POSITION ADDS RESISTOR).

CUSTOMER \_\_\_\_\_  
P.O.# \_\_\_\_\_  
LOCATION \_\_\_\_\_  
TAG# \_\_\_\_\_

TOLERANCES UNLESS OTHERWISE SPECIFIED		MSA The Safety Company		THIS DRAWING IS THE PROPERTY OF MSA AND IS MADE AVAILABLE TO YOU IN CONFIDENCE AND SUBJECT TO THE FOLLOWING: NO PERMISSION IS GRANTED TO PUBLISH, USE, REPRODUCE, TRANSMIT OR DISCLOSE THIS DRAWING, OR ANY INFORMATION CONTAINED THEREIN TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF MSA EXCEPT FOR THE MANUFACTURE OF ARTICLES FOR MSA.		DO NOT SCALE DWG.
RANGE	LINEAR	RADIUS/CHAMFER	CODE SYMBOLS	DRAWN BY	DATE	DESCRIPTION
			CRITICAL	James Peng	2016-07-14	CHILLGARD VRF INSTALLATION OUTLINE DRAWING
			MAJOR A	CHECKED BY		
			MAJOR B	Jon Liu	2016-08-16	
			100% INSPECTION	QUALITY ASSURANCE		MATERIAL
			MINOR (NO MARK)	MANUFACTURING/SOURCING		
				PURCHASING/PLANNER		MATL MASTER/DOCUMENT NO.
						SCALE
						SHEET
						1 OF 1