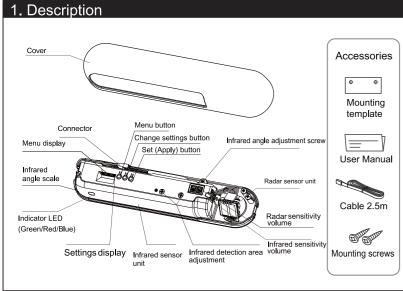
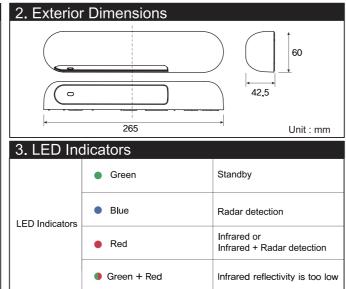
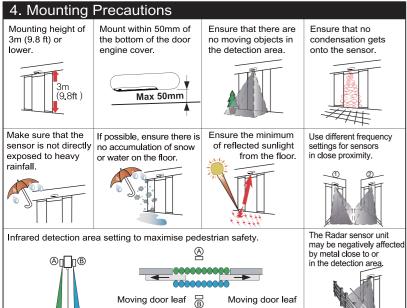
MIR60-UNI User Manual C€2200⊕

English

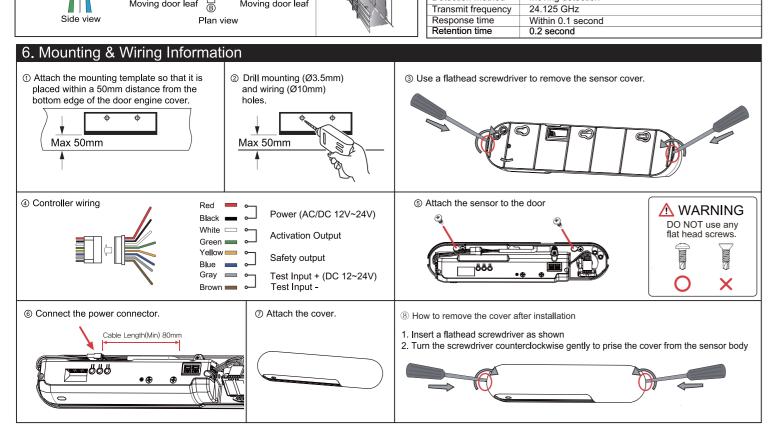




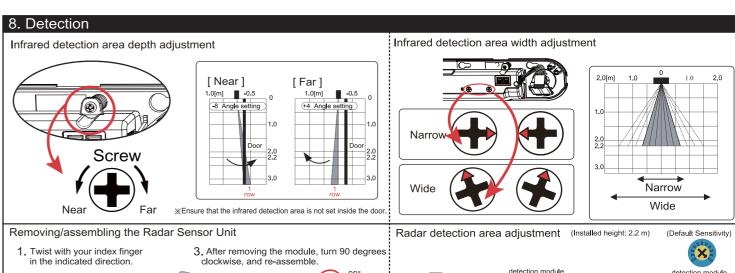


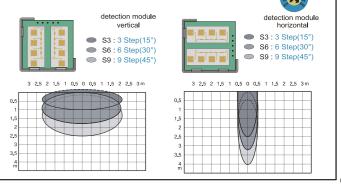


		•	Green + Rea	infrared reflectivity is too low		
l	E Too	اممنعط	Caasifiaatiaaa			
ı	b. red	cnnicai	Specifications			
	Model		MIR60-UNI			
	Detection method		Infrared & Radar sensor detection			
	Installed height		Maximum 3m			
	Supply voltage		AC(~), DC(==)12~24V ±10 [%] @ 50/60[Hz]			
	Power consumption		AC12V: 300[mA] (Max) / AC24V: 200[mA] (Max) DC12V: 160[mA] (Max) / DC24V: 80[mA] (Max)			
	Output	Relay	1A / 24VDC			
		Photo Mos	Maximum voltage: 400V, Maximum output internal	maximum current: 120mA resistant: max. 35Ω		
	Test input		6[mA] @ 24[VDC]			
	Weight		250[g]			
	Color		Black			
	Accessorie	es	Cable, mounting template, User Manual, mounting screws			
	Operating temperature		-20 ~ 50[°C]			
	Operating humidity		0 ~ 90%			
	Specifications of IR sensor					
	Detection method		Active infrared reflective			
	Detection output time		0.5 seconds			
	Response time		Within 0.2 seconds			
	Retention time		2 seconds, 30 seconds, 60 seconds, Infinite			
		tions of Rac				
	Detection method		moving detection			



7. Settings							
Function	Menu	Description	Default	Explanation			
Infrared presence timer setting	011~014	The infrared portion of the sensor will detect a stationary object/person for the preset presence timer setting. To comply with EN16005 set to 30sec or more.	012	011 2 sec 012 30 sec 013 60 sec 014 ∞			
Snow mode setting	030~031	Set to snow mode when false door activations can result from falling snow or snow accumulations.	030	030			
Frequency Setting	041~044	If multiple sensors are installed in close proximity, set different frequency settings to minimize sensor crosstalk	041	042			
Safety Relay Output	2רם~ורם	Set to NO or NC	ברם	072 NC NC NC			
Radar unit direction detection	081~082	Set to Uni-direction detection or Bi-direction detection	081	081 Uni 082 Bi			
Activation Relay Output	091~092	Set to NO or NC	091	091 / 0 092 NO NC			
Infrared / Radar activation setting	~ 3	The Infrared and Radar sensor can be set to function independently or together.	111	111 +			
TEST Input	130~131	Setting the sensor response to a test signal generated by the automatic door controller in compliance with European standard EN16005.	130	without TEST With TEST without TEST without TEST With TEST without TEST No response to the test input Responded to the test input			
Low reflection setting	140~141	A low reflected infrared signal is indicated by a slow flashing Red/Green LED. To ignore this low reflection error state, set low reflection state to ON I41	7				
Factory reset	151	Reset the sensor to default factory settings					



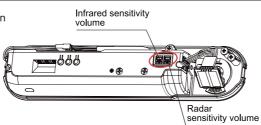


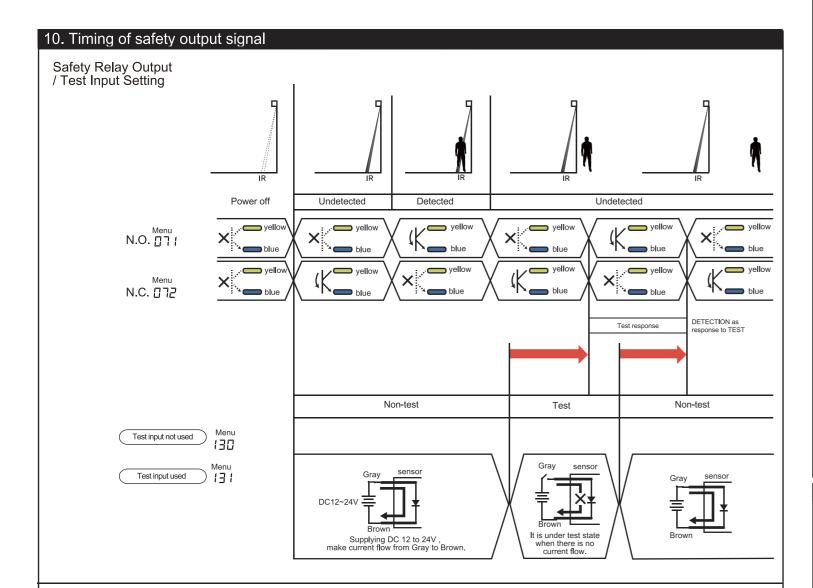
Hold and pull forward the upper part of the module with your index finger.

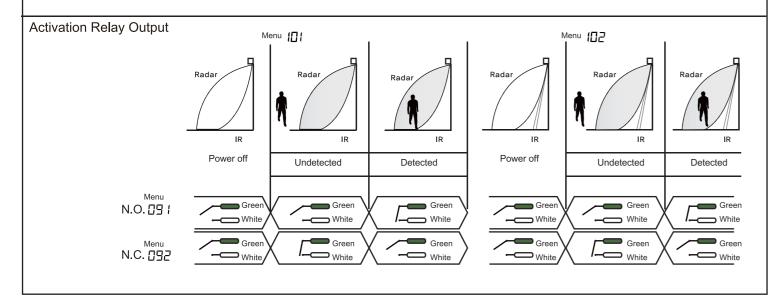
9. Operation check

After completing installation, walk into the detection area of the sensor. If you feel that the detection area is incorrect, then adjust it as per section 8. The infrared spot finder BF-2 is recommended to accurately set the infrared detection area. The infrared sensitivity volume can also be increased/ decreased if detection problems persist.

If the device detects when there is nothing in the infrared detection area, turn the sensitivity volume counter-clockwise.







11. Troubleshooting			
Problem	LED Status	Possible Causes	Troubleshooting Measures
		Loose connector	Insert the connector correctly until you hear it click into place
Door will not open even when a person approaches it.	Off	Voltage failure	Supply the correct voltage to the sensor. (12~24V AC/DC)
		Defective wiring	Recheck wiring
	Green	Sensitivity value is too low	Increase the radar sensitivity volume to an appropriate value.
		There is a moving object in the detection area	Remove the moving object from the detection area.
	Green color after the red or blue	The radar sensitivity volume has been set too high relative to the installation environment.	Reduce the radar sensitivity volume to an appropriate value according to the manual.
For no reason, the door opens and closes (ghosting)		Dust, frost or water droplets are on the lens	Clean the sensor lens
		The detection area overlaps with that of another sensor	Set the frequency setting of both sensors to be different values (Menu:041)
		Fallen leaves or Snowfall	Activate the snow mode setting
		Infinity presence timer setting used	Set the presence timer setting to 30 or 60 seconds.
	Red	Defective wiring	Recheck wiring
The automatic door stays in the open position		Excessive reflections in the infrared detection area	Remove the highly reflective object from the detection area or lower the Infrared sensitivity volume.
	Blue	There is a moving object in the radar detection area.	Remove the moving object from the detection area
	Green + Red	Infrared reflections levels are too low	Adjust the mounting height or Infrared sensitivity. If necessary, deactivate low reflection setting(Menu:141)

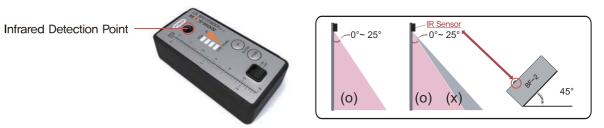
12. Rain Cover (sold separately)

A rain cover (sold separately) protects the sensor from snow and rain when installed outside.



13. Spot Finder (sold separately)

A spot finder can be used to accurately locate the position of the infrared detection area and is a useful tool during the commissioning of this sensor.



- <Disclaimer> The manufacturer shall not be held responsible for below
- 1. Misinterpretation of the installation instructions, poor connection, random disassembly and inappropriate installation.
- 2. Damage caused by inappropriate transportation.
- 3. Accidents or damages caused by fire, pollution, abnormal voltage, and natural disasters(Earthquake, lightning, wind, floods etc.)
- 4. Loss of business profits, business interruptions, business information losses and other financial losses caused by malfunction or use of the sensor.
- 5. Total compensation beyond the selling price in all cases.