

Wireless Infrared Transceiver Module

Features

- Wireless Infrared Transceiver Module (NUWIR)
- Passive Infra-Red sensor
- Maximum 6 meters / 20 feet detection range
- 90 degrees detection beam
- Horizontal or vertical mount
- Battery powered with automatic low battery warning
- Wireless transceiver, with heartbeat
- 869MHz (EU) or 916-921MHz (US) band
- Including wall mounting bracket



Description

The wireless infrared transceiver module (NUWIR) is a wall mounted teleCARE IP wireless peripheral containing an 869 MHz (EU) or 916 - 921 MHz (US) RF transceiver.

The NUWIR contains a passive infrared sensor with a 90 degrees detection beam covering a maximum distance of 6 meters / 20 feet.

Based on the software configuration the NUWIR can be used to indicate that a resident is in the toilet in order to alert the caregivers after a preset amount of time. The NUWIR can also be used as an automatic resident check-in trigger, simply allowing the resident to check-in by motion detection when the resident is up and about.

The NUWIR comes in a white plastic body with a mounting bracket and installation kit for surface mounting and is suitable for use in elderly care homes, nursing homes and hospitals.

The NUWIR requires 2 x 1.5V / AA disposable batteries (not included). An automatic low battery warning is transmitted if the battery voltage falls below 2.4V.

Each NUWIR has a unique identity (ID) and this ID is transmitted with every event.

DRAFT

Technical Specifications

Markets:		EU	US	UK	ANZ
Housing Color	White (NCS S 0603-G80Y)	•	•	•	•
Housing material:	PC/ABS, Flammability class: HB				
Dimensions (W x H x D)	37 x 92 x 34 mm / 1.46 x 3.62 x 1.34 inch				
Installed dimensions with bracket (W x H x D)	37 x 98 x 38 mm / 1.46 x 3.86 x 1.50 inch				
ISP connector:	Programming connector for future firmware updates				
Battery power source:	2 x 1.5V / AA alkaline batteries (not included)				
Battery life:	3 years approximately				
Minimum current:	< 100 µA idle condition				
Maximum current:	50 mA during wireless activity				
Transmitter frequency:	869MHz	•		•	
	916 - 921MHz		•		•
RF Range:					
869 MHz (EU)	30 meters / 100 feet	•		•	
916 - 921 MHz (US)	30 meters / 100 feet		•		•
IR Range:	6 meters / 20 feet	•	•	•	•

Continued on the next page:

DRAFT

Markets:		EU	US	UK	ANZ
Environment:	Operating temperature: 0°C to 40°C / 32°F to 104°F Storage temperature: -25°C to 55°C / -13°F to 131°F Relative Humidity: 30 to 85% (non condensing) Enclosure protection rating: IP40	•		•	•
Environment: (UL 2560 installations)	Operating temperature: 10°C to 49°C / 50°F to 120°F Storage temperature: -25°C to 55°C / -13°F to 131°F Relative Humidity: 0 to 95%, non condensing at 40°C / 104°F Enclosure protection rating: IP40		•		
Regulatory Compliance EU/EFTA	 VDE 0834 RoHS 2011/65/EU and Radio Equipment Directive 2014/53/EU Complies with the relevant dates and amendments of the following EN standards (the valid references to dates and amendments are stated in the Declaration of Conformity): EN 301 489-1 EN 301 489-3 EN 300 220 EN 300 330 EN 60950-1	•			
Regulatory Compliance US/CAN	 ANSI/UL 2560 CAN/CSA C22.2 No. 205 FCC part 15C RSS 210		•		
Regulatory Compliance Australia / New Zealand	 AS 3811				•
Accessories:		•	•	•	•