inugo

TECHNOLOGY THAT DRIVES TRAFFIC.

COOPWORTH GATE CONTROLLER

NON MULTI-LANE

- OPEN & CLOSE GATE VIA BLUETOOTH
- NO INTERNET CONNECTION REQUIRED
- ABILITY TO MONETISE
- AUDIT LOG OF INTERACTIONS
- AUTOMATIC OVER THE AIR UPDATES
- EASILY SWAPPABLE HARDWARE

COOPWORTH GATE CONTROLLER

INSTALLATION GUIDE.

The Inugo Coopworth Gate Controller provides rapid and contactless access through barriers, using highly reliable triple communication access with fail over for protection.

The Coopworth is typically mounted close to the barrier, facing toward the entrance. A user will then activate the controller by simply pressing a button inside the Inugo or third party app as they arrive, which in turn will open the nominated barrier.

Communication is achieved via Bluetooth, with cellular & input/output options as backup.

One of these compact Internet of Things (IoT) devices is required for each access device: Barrier arm, gate, door etc. A serial interface is provided for interfacing to other intelligent devices, and a car detection loop input is provided for optional improved system integrity.

SPECIFICATIONS

Power		
Supply	12V - 28V DC or AC	
Draw	12V	24V
	40mA nominal	20mA nominal

Connectivity	
Bluetooth	Bluetooth low energy 4.2
Cellular	LTE Cat M1
Comms	RS485

Antennas	
Bluetooth	Omnidirectional
Cellular	Omnidirectional

Environment	
Protection	IP67
Operating Temperature	-20C - +50C
Dimensions	34 X 100 X 75mm

Certification			
IC	This device contains IC IDs: 20127-XENN	Bluetooth	The Coopworth Gate Controller is certified with the Bluetooth Special Interest Group (SIG) authorising the use of the Bluetooth trademark
FCC	This device contains FCC IDs: 2AE-MI-B402 & 2AEMI-XENN		

Inputs and Outputs			
Digital Input 1 & 2 (IN1) & IN2)	Trigger Voltage	Trigger Current	
	7.5V - 36V DC	0.6mA - 3.5mA DC	
	6.0V - 28V AC	0.5mA - 3.5mA DC	
	Self resetting fuse trips @ 50V		
Digital Output 1 & 2 (OUT1 & OUT2)	On-State Voltage	On-State Current	Off-State Withstand
	0V - 0.4 DC	0mA - 150mA DC	36V DC
	0V - 0.28V AC	0mA - 150mA AC	28V AC
	Self resetting fuse trips @ 220mA		

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Location

The Coopworth Gate Controller is typically installed on the upstand of the gate itself. Ensure the unit faces towards the position of the user so that it has optimal proximity detection.

Power

An external power supply providing 12 V - 28 V AC or DC should be connected to the power connectors on the provided loom. This is typically supplied by the gate and polarity is not important.

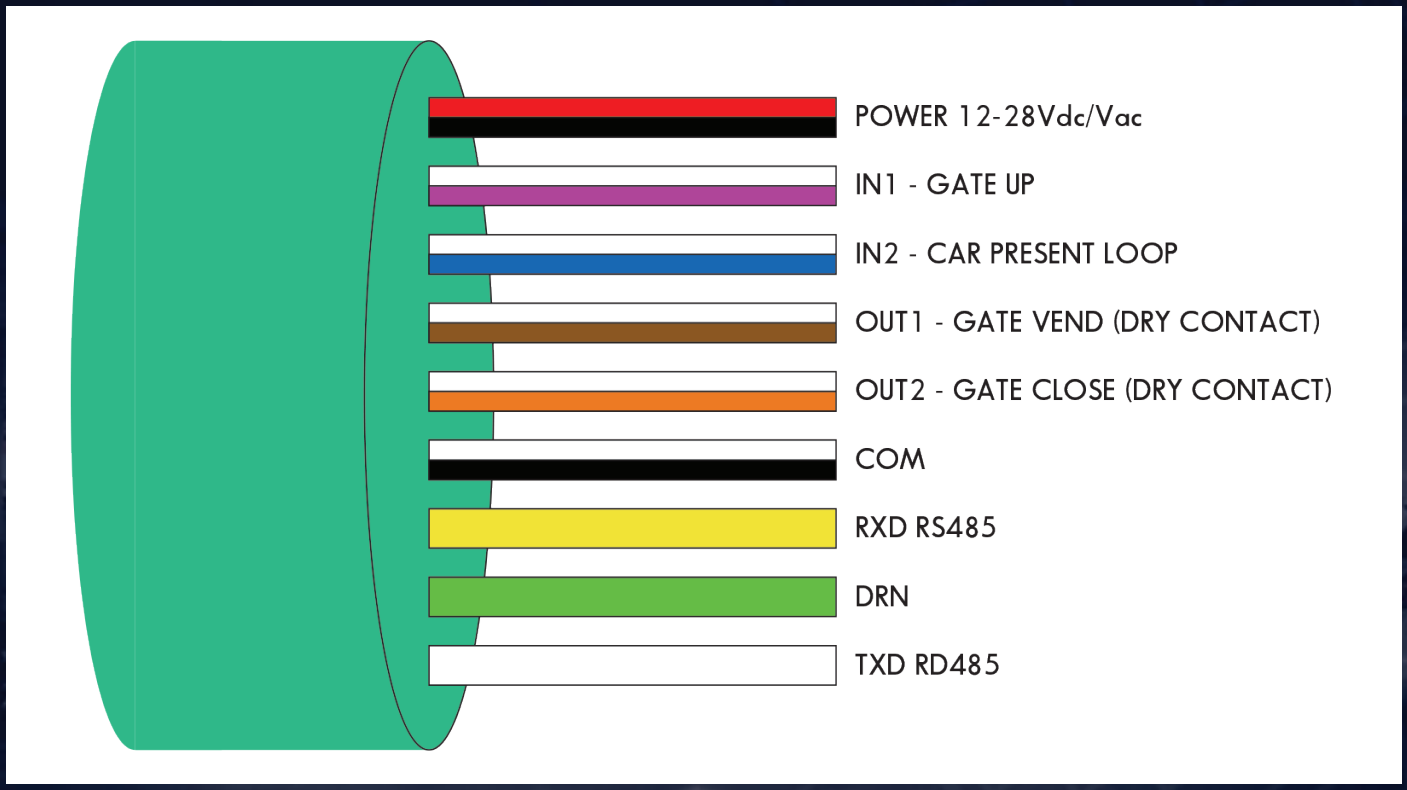
Inputs

The **gate up** sensor for the gate should be connected to the IN1 input on the provided loom. (Optional)
The **car present** (loop) sensor for car presence should be connected to the IN2 input on the provided loom. (Optional)

Inputs

The **gate vend** circuit for the gate should be connected to the OUT1 output on the provided loom. (Required)
The **gate close** circuit for the gate should be connected to the OUT2 output on the provided loom. (Optional)

PRIMARY LOOM



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