NORTECH
IDENTIPARK

900DS2001_00



OR MODULE

The IdentiPark OR Module is a device used for combining multiple IOC sensors into a single output, typically for use with an IdentiPark Mini IVC. The module can accommodate 2 groups of sensors, each having 3 sensors in the group. The module converts the signal from the 3 sensors into a single output and gives a detect signal if any of the 3 input signals are in detect.

The module receives power from the IOC plugged in to Connector 1 (Sensor 1A), so this sensor must always be fitted for the module to operate. DIP switches and red LEDs are fitted to provide diagnostics and simple user settings.



Front View

INPUT CONNECTORS

The module can accommodate 2 groups of 3 IOC sensors. The 3 inputs on the left belong to Group A, the 3 on the right belong to Group B. The IOC plugged in to Sensor A1 provides power. A standard straight-through BOD cable is used to connect the IOC to the OR Module.

SWITCHES

NUMBER	FUNCTION	SWITCH OFF	SWITCH ON
1	Group B Output	Normal Mode	Output Testing
2	Group B Drive	Normal Mode	Output Testing
3	Sensor B3	Sensor ENABLED	Sensor DISABLED
4	Sensor B2	Sensor ENABLED	Sensor DISABLED
5	Sensor B1	Sensor ENABLED	Sensor DISABLED
6	Group A Output	Normal Mode	Output Testing
7	Group A Drive	Normal Mode	Output Testing
8	Sensor A3	Sensor ENABLED	Sensor DISABLED
9	Sensor A2	Sensor ENABLED	Sensor DISABLED
10	Sensor A1	Sensor ENABLED	Sensor DISABLED

Any unused IOC sensor inputs must have their corresponding switch set to the ON position in order for the unit to operate (this applies to switches 3, 4, 5 and 8, 9, 10). Switch 1, 2, 6 and 7 can be used for testing but should be left in the OFF position. For example, if 2 IOCs are used, with 1 plugged in to Sensor A1 and 1 to Sensor A2, switch 8 must be turned ON to disable the unused input for Sensor A3.

LEDs

LEDs are fitted to the module for quick diagnostics. If an LED is ON, it means that the corresponding IOC is in DETECT. The group output LED will be ON if ANY of the input IOCs in that group are in detect.

LED POSITION	LED REPRESENTS	LED ON	LED OFF
Top	Sensor 1	DETECT	UNDETECT
Second	Sensor 2	DETECT	UNDETECT
Third	Sensor 3	DETECT	UNDETECT
Bottom	Group Output	DETECT	UNDETECT

OUTPUT CONNECTORS

LEFT	Group B Output.
RIGHT	Group A Output.

ORDERING INFORMATION

900FT2020	Contact info@identipark.com for the correct solution for your specific application.