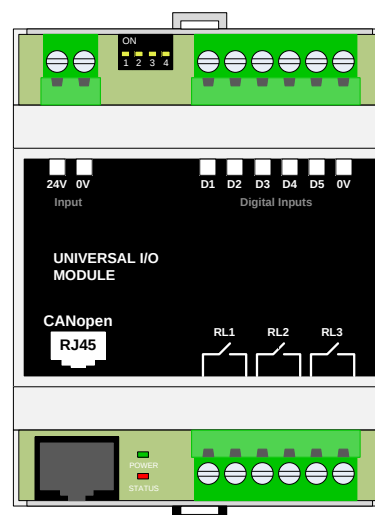
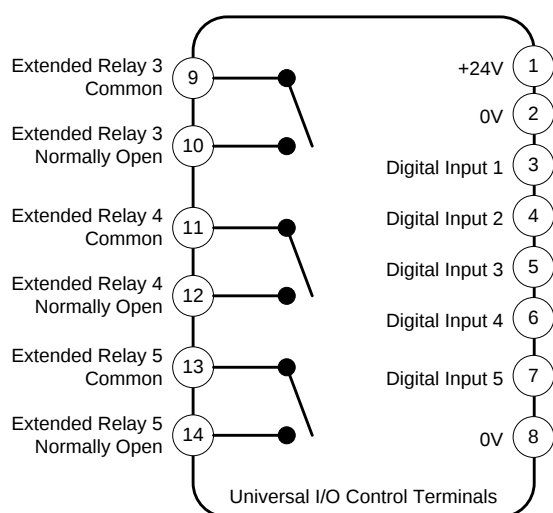


Universal I/O Module (82-OPT-2-CANIO-IN)

Pin Out Configuration

Terminal	Short Name	Long Name	Terminal Rating
1	+24V	+24V Input	Refer to User Guide
2	0V	0V Input	Refer to User Guide
3	DI1	Extended Digital Input 1	Refer to User Guide
4	DI2	Extended Digital Input 2	Refer to User Guide
5	DI3	Extended Digital Input 3	Refer to User Guide
6	DI4	Extended Digital Input 4	Refer to User Guide
7	DI5	Extended Digital Input 5	Refer to User Guide
8	0V	0V Input	Refer to User Guide
9	RL3-C	Relay 3 Output Common	Relay contacts, 250V AC, 30V DC, 5A
10	RL3-NO	Relay 3 Output NO	Relay contacts, 250V AC, 30V DC, 5A
11	RL4-C	Relay 4 Output Common	Relay contacts, 250V AC, 30V DC, 5A
12	RL4-NO	Relay 4 Output NO	Relay contacts, 250V AC, 30V DC, 5A
13	RL5-C	Relay 5 Output Common	Relay contacts, 250V AC, 30V DC, 5A
14	RL5-NO	Relay 5 Output NO	Relay contacts, 250V AC, 30V DC, 5A



The Option module is connected to the RJ45 communication port on the drive. The option module interfaces with the CanOpen communication pins on the drive such that the option module and CanOpen communication to other devices cannot be used simultaneously. The drive Modbus communication Pins on the RJ45 connector can still be used to interface to a Modbus master.

Parameter Configuration

For Optidrive P2 the universal I/O module can be configured to run with some default settings applied to the relay functionality, or they can be programmed via the (Optional) drive PLC programming functionality and the drive programming software.

Parameter P9-41 (Relay 3, 4, 5 function select) is used to configure the operation of the relays. The table below shows the relay configuration summary for P9-41.

P9-41	Function Selected
0	Default Operation
1	PLC logic defined operation

When P9-41 is set to 0 (default) the relay functionality is pre-defined by the drive with the following functions.

Relay No.	Function
Relay 3	Drive Healthy Indication (close on Healthy)
Relay 4	Drive Fault Indication (close on fault)
Relay 5	Drive Running Indication (close on enable)

Note that the drive standard relays (relays 1 and 2) are still fully configurable via parameters P2-15 and P2-18 for additional flexibility / functionality.