

External links

■ Control I/O Connections

A 15-way cable with a D-type plug connector on the rear of the Controller provides:

- Connection to the PRINT GO input.
- Access to the Fault and Warning Status outputs.
- Access to the User configurable Digital I/O

Pin	Description
1	+24 VDC - I/O
2	PRINT GO Input (PNP sensor or +24V Switched) Controller PCB Link - X11 Position A -PNP
3	0 V - I/O
4	User Configurable Digital Input 1 (PNP sensor or +24V Switched) Controller PCB Link - X12 Position A -PNP
5	Reserved
6	Reserved
7	Fault Output (Contacts Open for Fault)
8	Fault Output (Contacts Open for Fault)
9	Warning Output (Contacts Close on Warning)
10	Warning Output (Contacts Close on Warning)
11	User Configurable Digital Output 1# (24V PNP)
12	0 V - I/O
13	User Configurable Digital Output 2# (24V PNP)
14	Reserved
15	Reserved

Print Go Input Wiring

Print Go Input using a voltage free contact

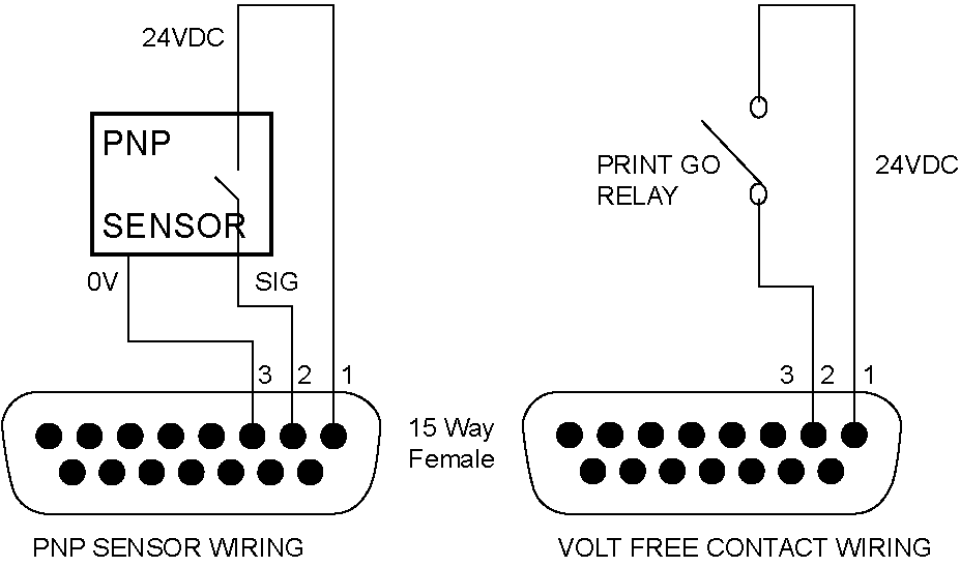
If a voltage free contact is used it should be wired between terminals 1 (24 V DC) and 2 (PRINT GO). SmartDate 5 is edge triggered and prints whenever the contacts close, but will not print again until the contacts have opened and closed again after printing is complete.

Print Go Input using a PNP sensor

If a PNP sensor is used connect as follows:

- Signal cable into terminal 2 (PRINT GO)
- Ground cable into terminal 3 (GND)
- Power cable to terminal 1 (+24 V)

SmartDate 5 prints each time the sensor changes from low state to high state. The input draws a maximum of 13 mA at 25 VDC.



External links

▣ Fault and Warning Outputs

Fault - (Problem)

Pins 7 and 8 on the 15-way connector are the open relay contacts for **FAULT**.

Fault relay contacts open when SmartDate 5 is:

- In **READY** mode.
- Not in a position to print because of a **PROBLEM**

READY mode:

The Unit OK signal is switched off when the SmartDate 5 is switched out of **PRODUCING** mode and into **READY** mode.

ABORTED mode: (Fault)

If a problem occurs the SmartDate 5 will automatically switch to **ABORTED** mode and indicate that there is a problem.

PRODUCING mode:

The contact is closed when the printer is ready to print.

The contacts should be used to provide an interlock to the overall control of the packaging machine.

It is recommended that this signal is always used to prevent unmarked products being produced.

Warning

The Warning relay contacts close when a warning such as a low ribbon condition is detected.

Pins 9 and 10 on the 15-way connector are the closed relay contacts for Warnings. The contact is open when the printer is ready to print.

The relay contacts are suitable for a current between 10mA and 1A. The maximum rating is 1A at 30VAC/DC. Control of higher voltages (e.g. 100VAC) or currents must use intermediate external control relays or contactors.

