Installation Instructions

Interface Part Number 14-1699-000

General Purpose Interface for a 5000/5010

This interface allows "signal transfer" between the 5000/5010 and a GC or peripheral device (data system). Determine how you want the two units to "communicate", then attach the wires to your GC or peripheral device accordingly.

The 5000/5010 has two types of input/output capabilities: 1) isolated transistor biasing, which is compatible with TTL/CMOS devices and 2) relay closure.

Input/output functions and their pin or wire numbers are given below.

Start Input

A signal on this input will cause the 5000/5010 to advance from READY to PURGE 1. A start signal can be given by a relay closure from pin 12 (ground) to pin 4 (start). The signal can also be given by a TTL/CMOS logic low signal (approximately zero volts) on pin 4, provided pin 12 is connected to circuit ground.

Continue Input

A signal on this input will cause the 5000/5010 to advance from the completion of DESORB to COOL 2. Usually, the ready signal from the GC is connected to this input. A continue signal can be given by a relay closure from pin 12 (ground) to pin 5 (continue). The signal can also be given by a TTL/CMOS logic low signal (approximately zero volts) on pin 5, provided pin 12 is connected to circuit ground.

Ready Outputs

The ready outputs are given when the Model 5000/5010 enters the READY mode. There are two separate signals. The first is a relay closure given across pins 8 and 15. The second is a signal from an isolated transistor, given across pins 7 and 14. The transistor's collector is attached to pin 7 and the emitter is attached to pin 14.

Inject Outputs

The inject outputs are given when the 5000/5010 enters the INJECT mode and is present for the first second only. Usually, this signal is used to start the GC or peripheral device (data system). There are two separate signals. The first is a relay closure given across pins 1 and 9. The second is a signal from an isolated transistor, given across pins 2 and 10. The transistor's collector is attached to pin 2 and the emitter is attached to pin 10.

Connection from the 5000/5010 to the GC or Peripheral Device

1. Turn off and unplug the 5000/5010.
2. Plug the 15-pin connector into the GC Interface connector on the rear of the 5000/5010.
3. Attach the spade lugs on the opposite end of the cable to your peripheral device. Refer to your peripheral device manual for the location of these connections.

Tekmar™

7143 East Kemper Road, Cincinnati, Ohio 45242-9576
(800) 543-4461 • Outside the U.S. (513) 247-7000 • Service (800) 874-2004
Telefax (513) 247-7050

14-1699-074
Location: r:\techrite\iocables\1699-074.pm4
V.08.31.92