

SLC4000TechNote21_DigitalRunStatusMonitoring

Rev 02/22/24

Obtain a Digital Run Status from SLC4000-8-n

The alternate relay function may be employed to provide a digital Run and Ready status

- Relay #8 Alternate function relay closes whenever any relay is ON .
 - Vernier models -01 and -03 close the relay whenever there is a relay ON or when there is a vernier output.
 - The **Status is *Output is Active***
- Relay #7 Alternate function relay closes whenever ALL the relays.
 - Vernier models -01 and -03 close the relay whenever all relays are OFF and no vernier output.
 - The **Status is *Ready to Run, but no output.***
- If both relays are OFF, the **Status is *NOT Ready*** as the Safety string is open.

Requirements

1. ***RLYCOM, TB109 is sourced by 120 VAC from the end of the safety string.***
2. Determine if an additional SLC4000 unit is required to free up relay #7 and/or relay #8 on the master SLC4000-8
 - a. If so, add a cascading cable SLC4020-n to connect the 2 units.
3. Configure the master SLC4000-8 unit to use 6 relays if both AnyOn and Alloff alternate relays are desired.
 - a. Configure the master SLC4000-8 unit to use 7 relays if only the AnyOn alternate relay is desired.
4. Add a 120VAC cube or RIB relay connected to the output of SLC4000 relay #7 and/or relay #8, as applicable.
 - a. ***This relay provides the dry contact to the monitoring system.***

For additional questions email techsupport@selectronix.us.