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SLC4000 Tech Note 06- Discrete Signal Interface Control

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The SLC4000 provides a number of discrete interface control points that can be connected to a Building Management System (BMS) or other controllers that provide discrete signals.

Item	Description of Signal	DDC Type	DDC Direction	DDC Range	Remarks
1.	Thermostat command	Analog	Input	2-10V, 0-10V, 4-20ma, User-defined	Several analog voltage and current inputs available. See Reference Document #1 for additional information.
2.	Load Limiting	Analog	Output	0-1.2VDC 0-5VDC *1 0-10VDC *1 4-20ma *2	*1 Requires 2-resistor network (available from Selectronix) *2 Add suffix -02 for pre-programmed 4-20 ma. or field program for 20% offset Requires external 61.9 ohm resistor required. Order SLC4040-61.9 See Reference Document #2 for additional information.
3.	‘Any On’ Output	Digital	Input	Voltage connected to ‘RLYCOM’	For isolated contact output, install an interposing relay. A SPDT relay can provide both ‘Any On’ and ‘All Off’ contacts. See Reference Document #3 for additional information.
4.	‘All Off’ Output	Digital	Input	Voltage connected to ‘RLYCOM’	For isolated contact output, install an interposing relay. This output can also be produced by a SPDT relay installed on the ‘Any On’ output. See Reference Document #3 for additional information.
5.	‘Fault’	Digital	Input	Voltage connected to ‘RLYCOM’	For isolated contact output, install an interposing relay. This output is activated anytime the SLC4000 detects a fault condition, which may be inputs out-of-range, or an internal condition. See Reference Document #3 for additional information.

Reference Documents available at selectronix.us or by using the hyperlink:

1. [SLC4000InstallationAndOperatingManual.pdf](#)
2. [SLC4000TechNote01_LoadLimitCfgs.pdf](#)
3. [SLC4000TechNote02_AltFuncRlys.pdf](#)