

15 Pin

Signal Pin	Related Pin	Signal Name	Signal Type	Description
1	8	Operating Mode A	DI	Connecting pin 1 and pin 2 to a high or low level allows you to set the regulation mode as indicated in the logic table (below). A high level switches to remote control
2	8	Operating Mode B	DI	Connecting pin 1 and pin 2 to a high or low level allows you to set the regulation mode as indicated in the logic table (below). A high level switches to remote control
3	8	Ready Status	DO	When the cito is Ready to make RF power, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8.
4	8	Error	DO	When the cito is in an error state, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8.
5	8	Maximum RF Power Level Reached	DO	When the cito is incapable of producing requested power, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8. This error message may occur in the following situations: In Process Control mode, the RF power necessary for the desired process control level may be higher than the cito is able to deliver In Load Power Control mode, the forward power necessary may be higher than the generator is able to deliver. The external pulsing frequency exceeds the limits (see specification).
6	8	RF Enable	DO	When the cito RF is ON, a low impedance (opto-coupler output, 8 mA maximum) is created between this pin and pin 8.
7	8	Interface Voltage	DI	If no voltage is applied to pin 7, 5 VDC is the standard level for the digital inputs and outputs. If you want any other level, an external voltage must be applied to pin 7 and will be used as supply voltage for pins 3, 4, 5 and 6. The voltage range is 5 VDC to 24 VDC, with a maximum current of 300 mA, depending on the load of the outputs.
8		Ground		Reference pin.

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9	8	Blanking/Pulse Mode	DI	An external 5V TTL pulse signal can be applied to pulse the RF output power Pin 8 MUST be grounded on host or client side.
10	8	RF Power On	DI	The signal enables or disables RF output power. A positive voltage of 4 V to 24 V will enable RF output. A voltage of 1.5 V or less will disable RF output
11	8	Process Control Setpoint	AI	0 to +10VDC = 0 to 1000 V linear (this can be adjusted via front panel or Stolberg Commander). Make certain the scaling on the system probe (example: DC Bias) and cito match.
12	8	RF Power Setpoint	AI	0 to +10 VDC = 0 to 1000 W, Linear (See Serial Tag for actual rating) Pin 8 MUST be grounded on host or client side.
13	8	Forward Power Monitor	AO	0 to +10 VDC = 0 to 1000 W, Linear (See Serial Tag for actual rating) Pin 8 MUST be grounded on host or client side.
14	8	Reflect Power Monitor	AO	0 to +10 VDC = 0 to 1000 W, Linear (typically 20% of rated power) Pin 8 MUST be grounded on host or client side.
15	8	Process Feedback Monitor	AO	This 0 V to 10 V signal closes the control loop around external components in the RF path. Pin 8 MUST be grounded on host or client side.