

INTEGRAÇÃO - Connections & Communications

- Todas as conexões do cabeçote, encoder e I/O através de conectores industriais tipo BINDER.



How to Set the External Inputs & Outputs

How to Set the External Inputs

In addition to the four inputs for the four photoelectric cells on the four printheads, the CLARiTY[®] also comes with six additional parameterizable digital inputs. These six inputs are managed by the I/O connector.

This menu is used for assigning different functions to the inputs.

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Name	Value	Min	Max
PrintOrientation	0: 0°		1
ResetImageSequenceOnOffline	1: Yes		1
VerticalResolution	0: 100% (600 DPI All Nozzles)		4
InputConfiguration			
2* InputConfiguration	310614177	0	10737...
Inputs			
OutputConfiguration			
2* Output1 Config	65544	-21474...	21474...
2* Output2 Config	196618	-21474...	21474...
2* Output3 Config	131081	-21474...	21474...
2* Output4 Config	0	-21474...	21474...
PrintInformation			
AbortOnStopBehaviour	0: Ignore		2
AdmittedReadBehaviour	1: Raise Warning		2
2* MaximumPrintDrib	0	0	3000
2* MissedADCReadThreshold	3	0	65535
MissedTemperatureReadBehaviour	1: Raise Warning		2
2* MissedTemperatureReadThreshold	3	0	65535
NormalPrintDirection	0: Left to right		1
2* NumberOfPurges	200	0	1000
PrintDensity	0: 100% (600 DPI)		11
2* PrintSensorToPrintLineGap	200	10	1000
2* RegistrationDelay	0	0	3000
2* ReversePrintSensorToPrintLineGap	10	10	1000
2* ReverseRegistrationDelay	0	0	3000
Enabled	0: No		1
ImageInformation			
MirroredImage	0: No		1
PrintOrientation	0: 0°		1
Inputs			
PrintSensorSource	5: External Product Sensor		5
PrintSensorTrigger	0: Positive Edge Trigger		1
ReversePrintSensorSource	5: External Product Sensor		5
PrintInformation			
AdmittedReadBehaviour	1: Raise Warning		2
2* MaximumPrintDrib	0	0	3000
2* MissedADCReadThreshold	3	0	65535
MissedTemperatureReadBehaviour	1: Raise Warning		2
2* MissedTemperatureReadThreshold	3	0	65535
NormalPrintDirection	0: Left to right		1

Ink Is Low
Ink Is Not Low
Ink Is Not Out
Ink Is Out
Job Allocation Aborted
Job Allocation Complete
Job Update Queue Is Empty
Job Update Queue Is Full
Job Update Queue Is High
Job Update Queue Is Low
Job Update Queue Is Not Empty
Job Update Queue Is Not Full
Job Update Queue Is Not High
Job Update Queue Is Not Low
New Job Allocation Received
New Job Allocation Rendered
Not Used
Print Failed
Print Signal Ignored
Printer Enters Busy
Printer Enters Fault
Printer Enters Warning
Printer Finishes Printing
Printer Is Offline

Inputs	Option
External Inputs 1, 2, 3	External Print Sensor (only selectable for one external input)
External Inputs 1, 2, 3	Inhibit Print
External Inputs 1, 2, 3	Clear Print Queue
External Inputs 1, 2, 3	Line Select Strobe
External Inputs 1, 2, 3	Line Select 0
External Inputs 1, 2, 3	Line Select 1
External Inputs 1, 2, 3	Line Select 2
External Inputs 1, 2, 3	Line Select 3
External Inputs 1, 2, 3	Reset Image Sequence
External Inputs 1, 2, 3	Reverse Image Sequence
External Inputs 1, 2, 3	Purge Printhead
External Input 3	External Error

External Outputs

External Outputs 1-4

The CLARiTY[®] has four digital outputs. The outputs indicate various items of information about the status of the CLARiTY[®]. The outputs 1-4 are configurable.

Table 4-2, lists the options for the external outputs 1-4.

Options
Ink Is Low
Ink Is OK
Job Allocation Aborted
Job Allocation Complete
Job Updated Queue Is Empty
Job Updated Queue Is Full
Job Updated Queue Is High
Job Updated Queue Is Low
Job Updated Queue Is Not Empty
Job Updated Queue Is Not Full
Job Updated Queue Is Not High
Job Updated Queue Is Not Low
New Job Allocation Received
New Job Allocation Rendered
Not Used
Print Failed
Print Signal Ignored

Options
Printer Enters Fault
Printer Enters Warning
Printer Finishes Printing
Printer Is Offline
Printer Is Online
Printer Leaves Fault
Printer Leaves Warning
Printer Starts Printing

Table 4-2: External Output 1-4 Options (Continued)

Status of the Warning Beacon in Typical Setup

The external outputs 1-4 are evaluated with reference to the status of the warning beacon (see Figure 4-12).

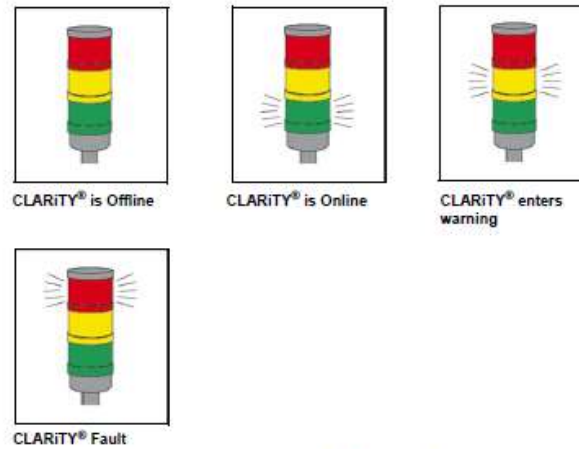


Figure 4-12: Various Indications of the Warning Beacon in Typical Setup

The following are the normal external output options:

- 1 Offline/Online
- 2 Enters/Leaves Warning
- 3 Enters/Leaves Fault

I/O for Beacon

14-way Socket Pin DESCRIPTION

Controller	Wire	Color A	Color B	Pin Description
A	1	Black	Black	+24 VDC
C	2	White	White	0 V
E	3	Red	Red	CONFIGURABLE INPUT (PNP) #1
G	4	Green	Green	CONFIGURABLE INPUT (PNP) #2
J	5	Orange	Orange	CONFIGURABLE INPUT (PNP) #3
L	6	Blue	Blue	CONFIGURABLE INPUT (PNP) #4
M	7	White/ Black	Brown	CONFIGURABLE INPUT (PNP) #5
N	8	Red/ Black	Red/Black	CONFIGURABLE INPUT (PNP) #6
O	9	Green/ Black	Pink	VOLT-FREE RELAY (N/O) OUTPUT #1
P	10	Orange/ Black	Yellow	VOLT-FREE RELAY (COM) OUTPUT #1
R	11	Blue/ Black	Light Green	PNP OUTPUT #2
S	12	Black/ White	Purple	PNP OUTPUT #3
T	13	Red/ White	Red/White	PNP OUTPUT #4
U	14	Green/ White	Grey	0 V

