

Wiring Instructions for Lasermet Distribution Boxes

Part No. ICS-1-DB-X/Y

Part Nos. are of the format ICS-1-DB-X/Y, where X is the number of laser interlock connector outputs and Y is the number of Beam Shutter outputs.

X	No. of Interlock Connector Outputs	Male
Y	No. of Beam Shutter Outputs	Female

E.g. Distribution box ICS-1-DB-1/2 has one interlock connector output (Male) and two beam shutter outputs (Female).

Interlock Operators in the ICS- control system are used to drive the distribution boxes.

Note:

All Beam Shutter sockets (female) are wired in parallel and only require the use of one interlock operator irrespective of the number of beam shutter outlets.

All Interlock Connector Outputs (male) must be wired separately. Therefore, a total of four Interlock Connector Outputs will require four dedicated Interlock Operators.

All distribution boxes are fitted with a red LED which is lit when the Outputs are active. Distribution boxes with part numbers of the format ICS-1-DB-X/0, do not have any shutter outlets. In these cases, a separate connection should be made to provide the 12 VDC to power the LED. Alternatively, the LED can be left unconnected as this will not affect the operation of the interlock system.

If Maglocks are used the operation of these will use one dedicated Interlock Operator (see ICS- instruction manual).

	Interlock Operators As standard	Interlock Operators With IB-9 Upgrade	Total Current at 12 & 24VDC for signs, keypads & shutters, etc.
ICS-5	3	9	2A
ICS-6	3	9	1A max. (12VDC) 4A max. (24VDC)

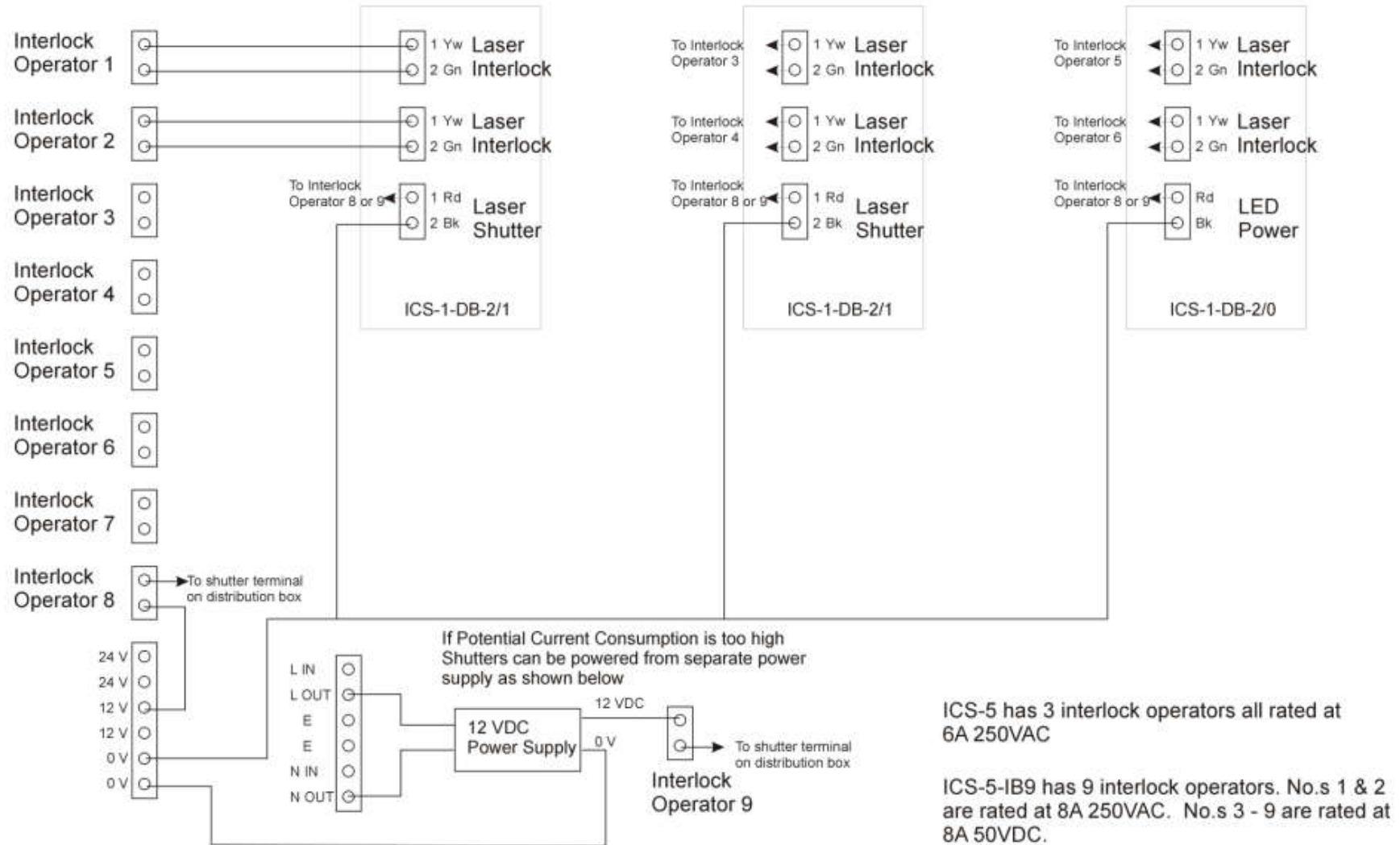
Wiring Details

Beam Shutter Outlets (these have a 3-pin socket)

Red	Switched +12VDC	Socket Pin 1
Black	0V	Socket Pin 2

Laser Interlock Connector (these have a 3-pin plug)

Yellow	Plug Pin 1
Green	Plug Pin 2



Distribution Box Wiring

NB ICS-5 has 3 Interlock Operators or 9 when ICS-5-IB9 is present