

# NDT MAINCAL LIMITED

## RADIOGRAPHY INTERLOCK INTERFACE CONNECTIONS

### IMPORTANT

The information in this document is provided to assist a suitably qualified person in interfacing X-ray equipment to the interlock. The information is believed to be correct however no liability is accepted for any inaccuracies, injuries, damage or other losses arising through reliance on the information. The installer shall ascertain that the information is consistent with the particular interlock. If in doubt please consult NDT Maincal Limited.

Connection of portable equipment to Maincal interlocks is via a standard ITT Cannon 8way female QM line plug.

PIN	FUNCTION
A	Earth connection
B	Volts free interlock contact 1.a
C	Common for Imminent and Exposure signals (See note 1)
D	(See note 2)
E	Volts free interlock contact 1.b
F	Exposure signal (See note 1)
G	Imminent signal (See note 1)
H	(See note 2)

#### Note 1

The “Imminent” and “Exposure” inputs each power a relay. Both these relays are connected to the common. Pin C. Normally the relay coils are 240VAC rated. The relay coils are otherwise isolated from the interlock circuitry.

#### Note 2

On older units these pins are not used. On later units these pins provide a second volts free interlock.