

## INSTALLATION

### DOWNMAST TRANSCEIVER (CTX-A9)

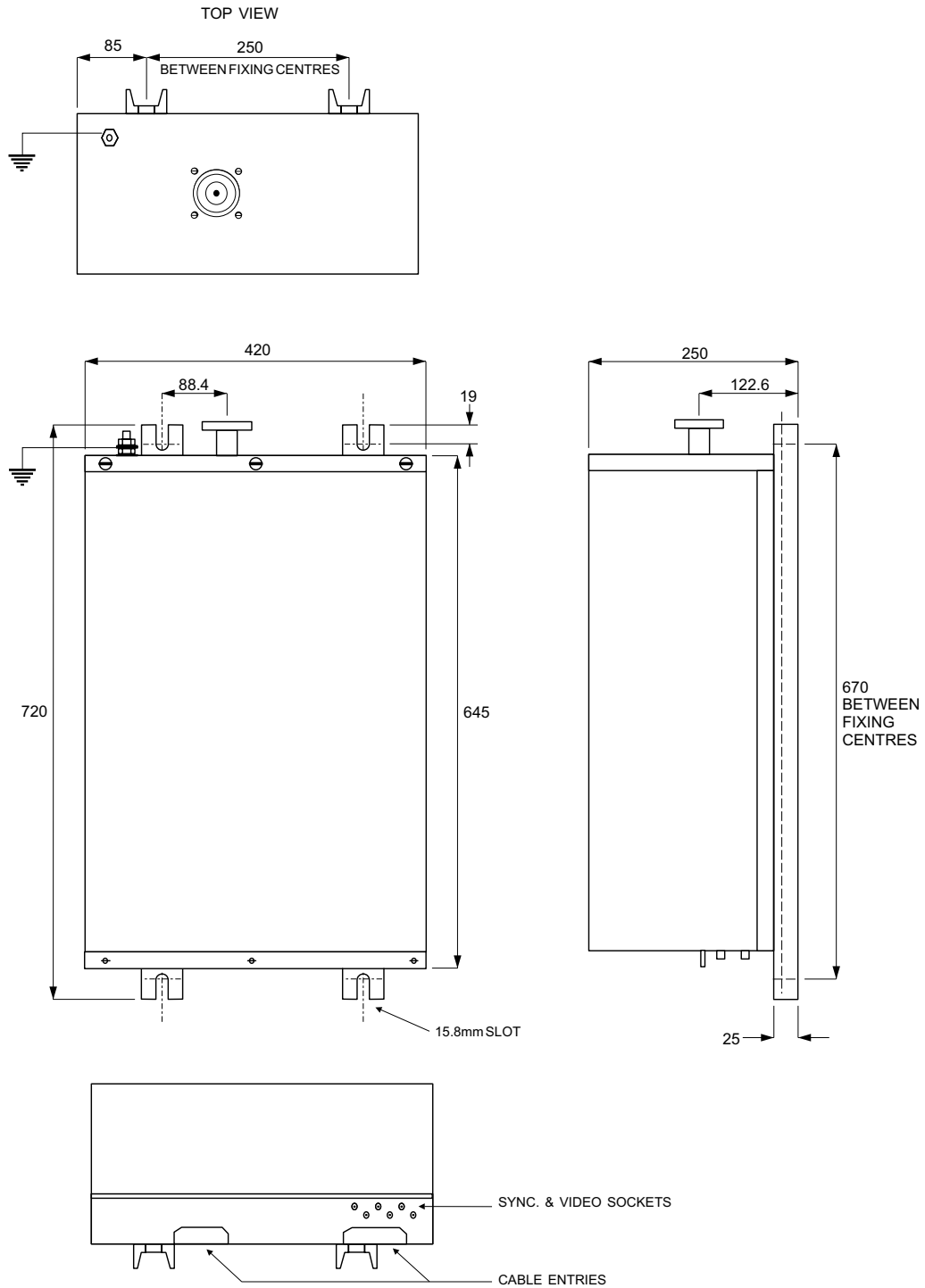
**WARNING**  
**ENSURE THAT ALL POWER SUPPLIES IN THE VICINITY OF THE**  
**TRANSCEIVER ARE ISOLATED BEFORE ANY INSTALLATION TAKES**  
**PLACE.**

#### Construction

- 18 The general construction of the downmast S-Band transceiver comprises a sheet-metal rear plate which is formed, to include the top of the unit. This is braced by two 'U' sections which protrude above and below the plate, providing the bulkhead fixing points.
- 19 The PCBs are mounted both sides of the modulator chassis and are removed as a complete assembly.
- 20 A wrap-around cover made from sheet-metal, encloses the unit and is fixed by six captive screws. Removing the cover gives access to the front and sides of the Transceiver electronics. Cable entry is at the bottom of the unit.

#### Mounting

- 21 Fit the transceiver to the securing bulkhead using the installation bolts supplied with the fitting kit. Refer to Figure 1 for dimensions.



**OPERATING TEMPERATURE RANGE**  
At Relative Humidity 0%: -15°C to +55°C  
At Relative Humidity 95%: +40°C

Transmitter Weight: 30kg

Power Consumption: 140W

**COMPASS SAFE DISTANCES:-**  
Standard Compass 1.9m (Grade I)  
Steering Compass 1.1m (Grade II)

CD-4100

**Figure 1 - Downmast Transceiver (CTX-A9): Installation Dimensions**