

## Compact Area A3 GMDSS Communication System



*ICS Electronics Ltd have a world-wide reputation for the design and manufacture of simple to use GMDSS DSC and NAVTEX systems, supplying coast stations, commercial ships and navies throughout the world.*

*The TOUCHCOMM TC3 is based on ICS's well proven, modular DSC2 system. This is in widespread use by commercial ships, yachts, navies and coast radio stations throughout the world, including the UK Coastguard and Royal Navy.*



The TOUCHCOMM TC3 is designed for use within A1, A2 and A3 areas by any vessel required to comply with IMO requirements. The TC3 will normally be used in conjunction with a stand alone, duplicated INMARSAT C installation. In particular, **the TC3 fully meets the new IMO requirement for a minimum message display size of 160 characters**, making it unnecessary to scroll in order to read a complete DSC message. A major benefit for the operator is ICS's well proven touch screen technology, which allows control of both the VHF and MF/HF radios via one common easy to use control panel.

All the elements of the system are contained in two ergonomically designed enclosures making installation fast and straightforward. The rugged steel case enclosures with substantial shock absorbers makes the TC3 ideal for use in the most demanding marine environments. Service support is simple. Automatic fault monitoring identifies problems at module level and the design of the enclosure allows easy access for module exchange.

Options include an additional remote VHF radio handset, a third remote control panel (as required on

passenger vessels) and Radio Telex (NBBDP) facilities. To only comply with IMO GMDSS area A2 carriage requirements, see the ICS TOUCHCOMM TC2 leaflet for further information.

### FEATURES

- ▶ Exceptionally easy to use touch screen for control of both MF/HF and VHF radios
- ▶ Full DSC message display without scrolling
- ▶ Compact, rugged construction
- ▶ Quick and easy to install
- ▶ Easy to fault locate and repair
- ▶ Complies with all current IMO, ITU, ETSI GMDSS rules
- ▶ Additional VHF handset option
- ▶ Remote control panel options
- ▶ Radio Telex option
- ▶ Flexible power supply options

*When your life depends on it choose, ICS*

# TOUCHCOMM TC3 TECHNICAL SPECIFICATIONS



## AREA A3 GMDSS COMMUNICATION SYSTEM

### TC3 MAIN CABINET

Overall dimensions: H 418mm x W 362mm (+ 350mm handset clearance) D 481mm  
Weight: 40kg  
Power requirements: 24 volts + 30%, -10%  
3.2A standby, 25A maximum

### TC3 SYSTEM DUPLICATION

Overall dimensions: H 418mm x W 362mm (+ 80mm handset clearance) D 481mm  
Weight: 30kg  
Power requirements: 24 volts + 30%, -10%  
1A standby, 8A maximum

### CONTROL PANEL

320 X 240 Pixel backlit graphic LCD display with built in touch screen.  
Separate Enter and Distress (with cover) buttons.

### MF/ HF TRANSCEIVER

#### Frequency Coverage

Receive: 500KHz-29.999 MHz  
Transmit: 1.6-27.5MHz  
Output Power: 125 Watts PEP (85 Watts PEP for MF and 25MHz bands).  
Audio Output: 4.5 Watts  
Automatic antenna tuner: Included, minimum recommended antenna length 6 metres.

### VHF TRANSCEIVER 1 & 2

Channels: 54 International/ US, 16 private. Simplex/ Semi Duplex operation.  
Frequency range: 153.9-163.1 MHz  
Output Power: 25 Watts high power, 1 Watt low power  
Facilities: Scanning, Dual Watch, Priority Key

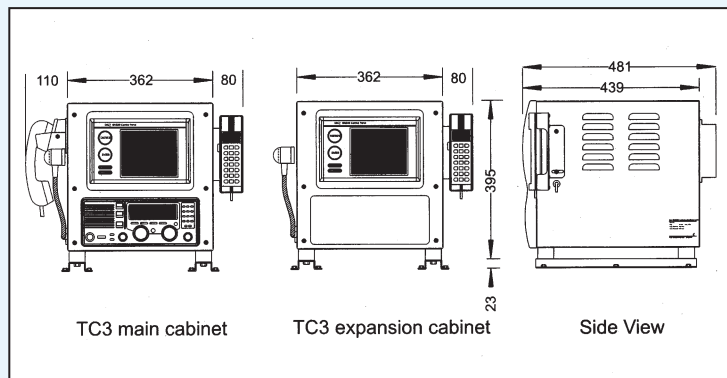
### OPTIONS

- ▶ Additional remote VHF radio handsets
- ▶ Remote control panel options
- ▶ Radio Telex.  
Requires IBM-PC compatible computer

### SPECIFICATIONS:

The TC2 meets the requirements contained in the following international standards:

ITU-R M.493, ITU-R M.541, ETS 300 338,  
ETS 300 373, ETS 300 162, EN 60945, IEC 945



Available from:

ICS Electronics has a policy of continuous product improvement and reserves the right to vary in detail from the specifications contained in this brochure.

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