

TOUCHCOMM TC4 TECHNICAL SPECIFICATIONS



AREA A1/A2 GMDSS COMMUNICATION SYSTEM

ELECTRONICS ENCLOSURE

Overall dimensions: H 345mm x W345mm D 160mm
Weight: 12Kg
Power requirement (excluding transceivers): 12 or 24 volts +30%, -10%, @ 3.0A

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: 100 Watts PEP
Audio Output: 4 Watts
Automatic antenna tuner: Included, minimum recommended antenna length 6 metres.
Power requirement: 13.6Vdc +/- 15%, 25A

VHF TRANSCEIVER

Channels: 54 International/ US, 16 private. Simplex/Semi Duplex operation.
Frequency range: 153.9-163.1 MHz
Output Power: 23-25 Watts high power, 1 Watt low power
Facilities: Scanning, Dual Watch, Priority Key
Power requirement: 10-16Vdc, 6A

SPECIFICATIONS:

The TC2 meets the requirements of the following international type approval standards:
ITU-R M.493, ITU-R M.541, ETS 300 338, ETS 300 373, ETS 300 162, EN 60945, IEC 945
Wheelmark – European Marine Equipment Directive.

PRODUCT CODE:

Systems including VHF /MF/HF transceivers.

169.09 TC4 24Volt for SOLAS fit craft
169.05 TC4 12Volt for non-SOLAS fit craft

Retrofit DSC System, less transceivers.

169x.xx TC4 retrofit version, complete with transceiver interface(s) and associated 5m cable connection kit.

1691.xx 12Vdc

1692.xx 24Vdc

Specify type of transceivers to be used when ordering.

Available transceiver interface(s) include:

VHF

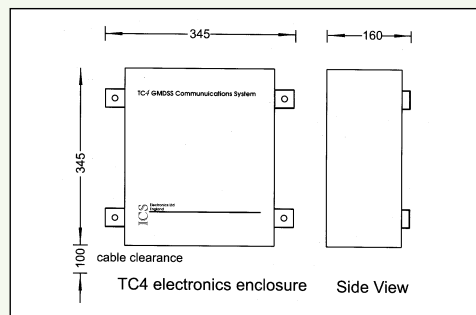
1 Simrad RS8400
2 Skanti TRP3000
3 Sailor RT2048
4 Sailor RT2047

MF/HF

1 Barrett 980
2 ICOM710
3 Skanti TRP7000
4 Skanti TRP8000
5 Skanti TRP9000
6 Sailor RE2100
7 Sailor R2120
8 R&S XK2000

OPTIONS:

900.01 A2 Antenna Kit Commercial
900.03 A2 Antenna Kit Yacht
500.16 A.C. Mains power unit/battery charger
960.05 Telephone handset for MF/HF
900.04 Ground Plate suitable for GRP or Wooden hulled vessels.
001.00 Duplicate DSC Control Panel
051.01 DSC Control panel Flush mounting kit
051.00 DSC Control panel 'U' bracket surface mounting kit.



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.

TC4 Issue 2 Rev A 30/09/2001 © 01 ICS Electronics Ltd

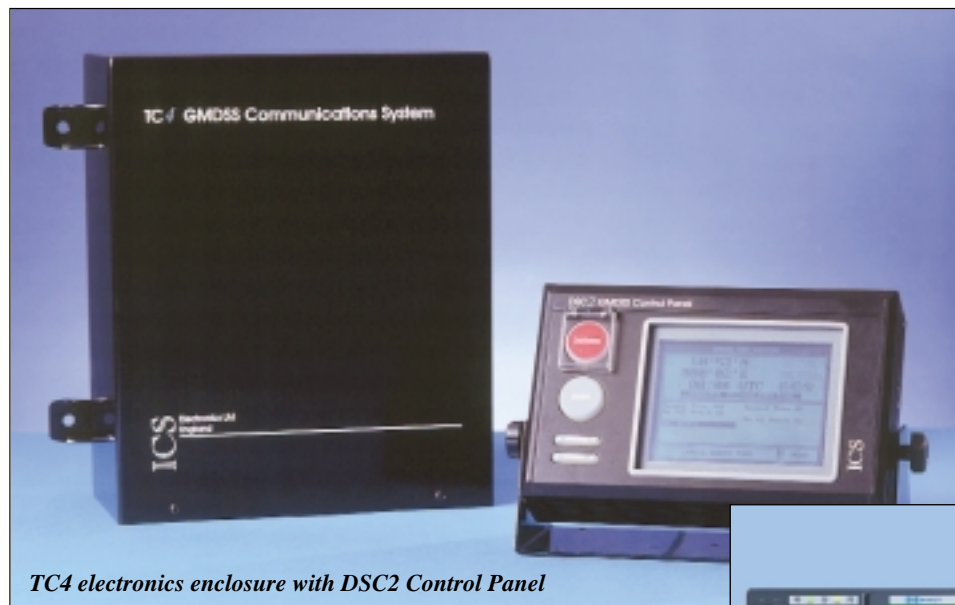
Compact Area A1/A2/A3 GMDSS Communication System



ICS Electronics Ltd have a worldwide reputation for the design and manufacture of GMDSS equipment including DSC systems: Supplying coast stations, commercial ships and navies throughout the world.

Ease of use is the most prominent feature of our equipment. This is reflected in all aspects of operation.

The TOUCHCOMM TC4 is based on ICS's well proven, modular DSC2 system. Existing DSC2 users include the UK Coastguard and the UK Royal Navy.



TC4 electronics enclosure with DSC2 Control Panel



Optional VHF/MF/HF Transceivers

The ICS TOUCHCOMM TC4 is a compact, easy to use DSC system which allows yachts and fishing vessels to participate within the Global Maritime Distress and Safety System (GMDSS). This system automates radio calling functions, including Distress and Safety.

The TOUCHCOMM TC4 complies with all relevant IMO GMDSS requirements and is the easiest to use A1/A2/A3 area GMDSS communications system currently available.

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 the common easy to use control panel.

The TC4 can also be used within A2 areas by SOLAS vessels required to fully comply with IMO fitting requirements. This includes European fishing vessels falling within the Torremolinos Convention.

It is also suitable for use in A3* areas by all other vessels not required to fully comply with IMO carriage requirements - including large yachts, smaller fishing vessels, naval craft and patrol boats.

The electronics enclosure is very small and can be installed remotely from the rest of the system, anywhere that space permits. Only space for the two transceivers and the DSC touch control panel needs to be found within the vessel's navigation area, making the system suitable for even the smallest craft.

Options include an additional remote VHF handset and additional remote DSC control panels.

*Note: **

Please specify at time of order if A3 capability is to be enabled.

The TC4 can be supplied as a complete system including MF/HF and VHF transceivers. If required, it can be supplied without transceivers but configured to interface to a wide range of existing professional grade marine transceivers.

In some cases, it may be possible to upgrade your vessel to GMDSS using its existing transceivers, thus saving considerable expense.

TC4 service support is simple. Automatic fault monitoring identifies problems at module level and the design of the enclosure allows for fast and easy access for module exchange.

FEATURES

- ▶ Exceptionally easy to use touch screen for control of both MF/HF and VHF transceivers
- ▶ Full DSC message display without scrolling
- ▶ Compact, flexible installation
- ▶ Easy fault location and repair
- ▶ Complies with all current IMO, ITU, ETSI GMDSS rules
- ▶ European Maritime Equipment Directive approved.
- ▶ Additional VHF handset option
- ▶ Remote, duplicate control panel option
- ▶ Power supply and antenna options available

When lives depend on it choose ICS