



**FURUNO**

# MES

**INMARSAT-C Mobile Earth Station / INMARSAT MINI-C Mobile Earth Station**



Models: FELCOM18  
FELCOM19

[www.furuno.com](http://www.furuno.com)

# MES

**INMARSAT-C Mobile Earth Station**

*Proven solutions for Inm  
fully incorporated SSAS*



## Features of FELCOM18

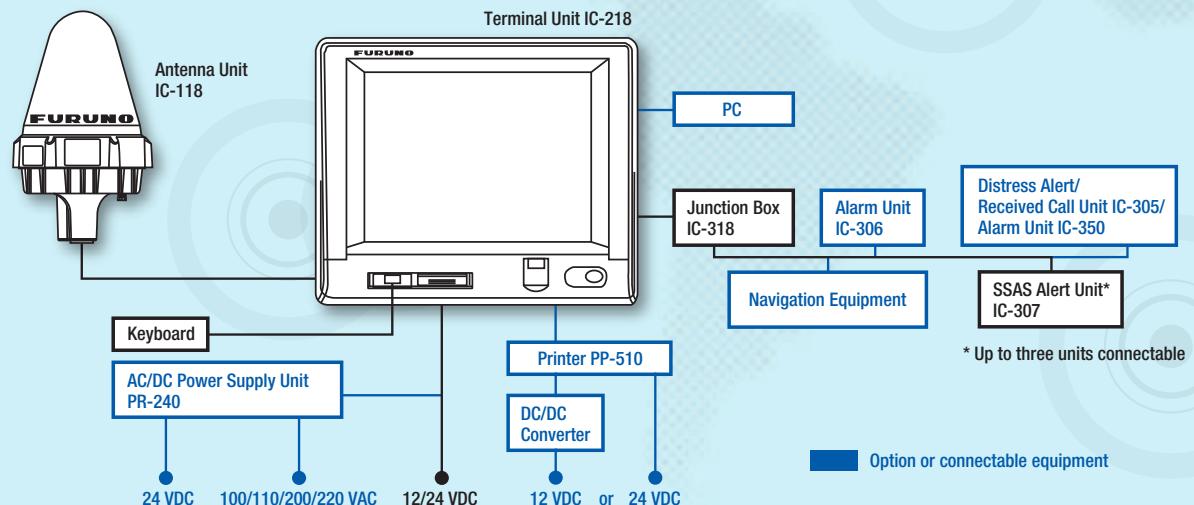
- ▶ Inmarsat-C Ship Earth Station terminal for GMDSS application
- ▶ Full GMDSS compliance with optional printer and AC/DC power supply
- ▶ SSAS capability with SSAS Alert Units
- ▶ Compatibility with LRIT application
- ▶ Compatible with the following standard:  
IMO A.570(14), IMO A.664(16), IMO A.694(17), IMO A.807(19), IMO MSC.147(77), IMO MSC.36(63), IMO MSC.68(68) Annex 4, IMO MSC.97(73), IMO MSC.263.(84), MSC/Circ.862, IEC 60945 Ed. 4, IEC 61097-4 Ed. 2, IEC 61162-1 Ed. 4
- ▶ A wide variety of communication schemes available: telex, FAX, emailing, EGC, Data reporting/polling, etc.
- ▶ SD card for recording media
- ▶ GPS receiver (option)

Compatible with:



Model: FELCOM18

## Interconnection Diagram



# Inmarsat-C/Inmarsat MINI-C services and LRIT capabilities



Compatible with:

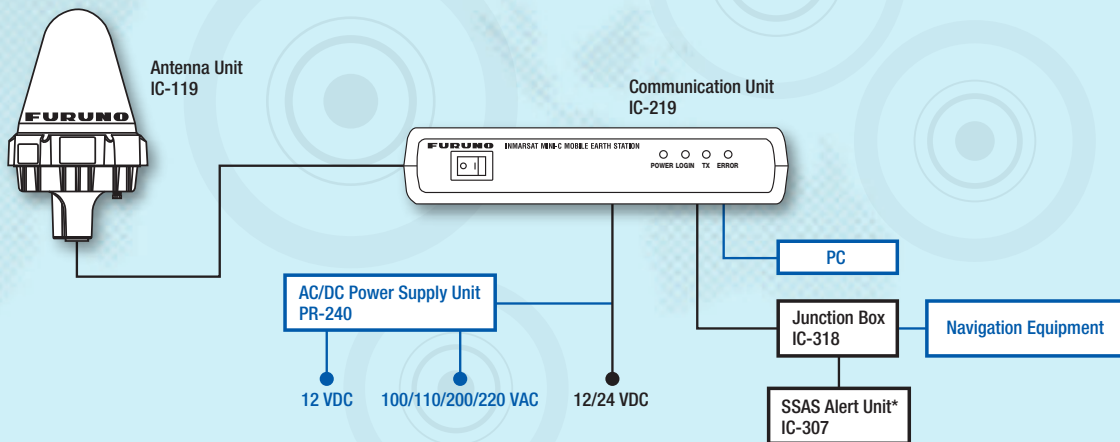


## Features of FELCOM19

- ▶ Inmarsat MINI-C Mobile Earth Station terminal
- ▶ Compatibility with LRIT application
- ▶ SSAS capability with SSAS Alert Units
- ▶ A wide variety of communication schemes available: telex, FAX, emailing, EGC (non-GMDSS), Data reporting/polling, etc.
- ▶ GPS receiver incorporated
- ▶ Black-box configuration allows flexible installation

Model: FELCOM19

## Interconnection Diagram



\* Up to three units connectable

## SPECIFICATIONS

Product Name	Inmarsat-C Mobile Earth Station		Inmarsat MINI-C Mobile Earth Station	
	<b>FELCOM18</b>		<b>FELCOM19</b>	
Frequency	TX:	1626.5-1646.5 MHz		
	RX:	1537.0-1544.2 MHz		
Channel Spacing	5 kHz			
Modulation Rate and format	TX:	600, 1200 sps Unfiltered BPSK		
	RX:	1200 sps Unfiltered BPSK		
Minimum G/T	-23.0 dB/K (at elev. 5°)		-23.7 dB/K (at elev. 5°)	
Output Power	12-16 dBW (at elev. 5°)		7-16 dBW (at elev. 5°)	
Power Supply	12-24 VDC			
	TX:	less than 130 W	less than 50 W	
RX:	less than 60 W	less than 10 W		

## ENVIRONMENT

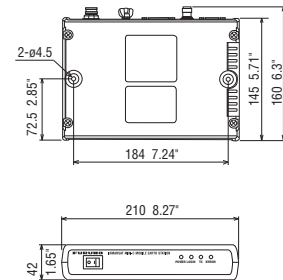
Temperature	Antenna Unit	-35 to +55°C (Storage: +70°C)
	BDE	-15 to +55°C
Relative Humidity	40°C 95%	

## EQUIPMENT LIST

Standard	Option
1 Antenna Unit with 30 m cable IC-118 1 unit 2 Terminal Unit with keyboard IC-218 1 unit 3 Junction Box IC-318 1 unit 4 SSAS Alert Unit IC-307* 2 unit 5 Installation materials *applicable only for SSAS specification	1 AC/DC Power Supply Unit PR-240 2 SSAS Alert Unit IC-307** 3 Junction Box IC-318** 4 Printer PP-510 **applicable only for non-SSAS specification

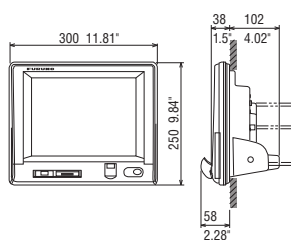
## Communication Unit

**IC-219**  
1.2 kg 2.65 lb



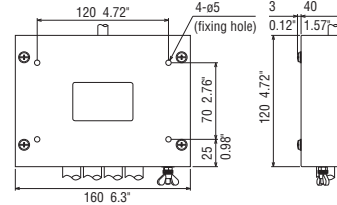
## Terminal Unit

**IC-218**  
4.2 kg 9.26 lb



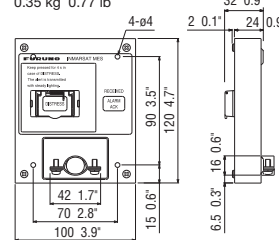
## Junction Box

**IC-318**  
weight: TBC



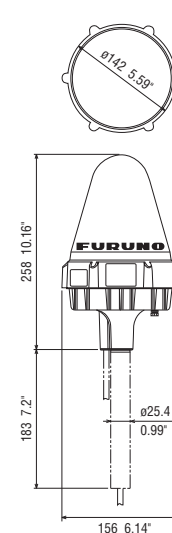
## Distress Alert/Received Call Unit

**IC-305**  
0.35 kg 0.77 lb



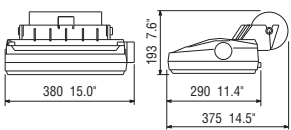
## Antenna Unit

**IC-118/IC-119**  
1.4 kg 3.09 lb



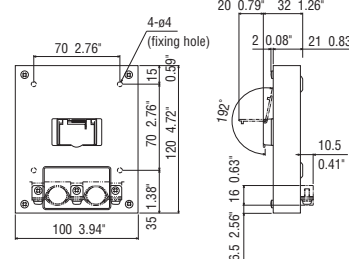
## Printer

**PP-510**  
3.3 kg 7.3 lb



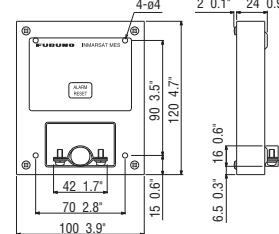
## SSAS Alert Unit

**IC-307**  
0.35 kg 0.77 lb



## Alarm Unit

**IC-306**  
0.33 kg 0.7 lb



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