SPECIFICATIONS

INTERCONNECTION DIAGRAM

PRODUCT NAME

FACSIMILE RECEIVER

RECEIVER CHARACTERISTICS

Frequency Range 2-25 MHz in 100 Hz steps
Number of Channels 150 pre-programmed channels and 164 channels for memory
Receiving System Synthesized double super heterodyne
Mode of Reception F3C
Sensitivity Less than 2 V at 20 dB SINAD
Tuning Monitor 3 LEDs indicate whether the frequency is properly received or that it should be moved up or down.

RECORDER CHARACTERISTICS

Recording System Thermal head printing. Thermal recording paper (257 mm x 30 m) with effective width of 252 mm
Scanning Speed 60, 90 or 120 rpm
I.O.C. 576 or 288
Gradation 9 gradations
Phase Control Automatic or manual
External Input Signal Level 0 dBm at 600 ohms
Operation Automatic or manual
Automatic start/stop by W.M.O. remote control signal
Schedule Timer: 16 programs/week

POWER SUPPLY

(please specify when placing a purchase order)
AC model: 100/115/200/230 VAC: 0.3/0.26/0.15/0.13 A
DC model: 12-24 VDC: 2.3-1.15 A

Environment

Temperature: -10°C to +50°C

EQUIPMENT LIST

Standard
1. Receiver Unit (1 roll of thermal paper inset) FAX-410 1 unit
2. Installation Materials and Standard Spare Parts 1 set

Option
1. Pre-amp unit FAX-5 with 1 m or 15 m cable
2. Whip Antenna for FAX-5 04S4176
3. Extension Kit for Antenna Cable OP04-2 10/20/30/40/50 m
4. Whip Antenna FAW-6R2/FAW-6R2A (6 m)
5. Junction Box ARD-1
6. Recording Paper

Model:
FAX-410
The FAX-410 is a marine weather facsimile receiver designed to receive and print high quality, high definition weather charts and satellite images, which are transmitted from onshore stations located around the world.

The FAX-410 can automatically select the receiving band depending on the quality of current signal reception. This enables the FAX-410 to receive the high quality weather charts and satellite images with little noise even under changing weather conditions. The receiving channels can be selected from the 314 channels in total, consisting of 150 pre-programmed and 164 user-programmed channels. The FAX-410 can also be programmed for automatic, unattended operation by time or by WMO remote control signal. Up to 16 programs can be set per week for such an automatic operation.

The weather charts and satellite images are printed quietly on 10" wide thermal recording paper. The satellite images are printed with 9 gray levels (from black to white) to display highly defined images of clouds.

- Automatic channel selection by judging the quality of signal reception
- All known facsimile channels in 2-25 MHz bands are pre-programmed: 150 channels
- Additional memory capacity of 164 user-programmable channels available
- Full automatic operation by a built-in schedule timer (16 programs can be set per week for automatic operation)
- Quiet thermal printing due to minimal mechanical components
- 10" wide thermal recording paper with clear and easy-to-watch weather charts and satellite images in nine gray levels
The FAX-410 is a marine weather facsimile receiver designed to receive and print high quality, high definition weather charts and satellite images, which are transmitted from onshore stations located around the world. The FAX-410 can automatically select the receiving band depending on the quality of current signal reception. This enables the FAX-410 to receive the high quality weather charts and satellite images with little noise even under changing weather conditions. The receiving channels can be selected from the 314 channels in total, consisting of 150 pre-programmed and 164 user-programmed channels. The FAX-410 can also be programmed for automatic, unattended operation by time or by WMO remote control signal. Up to 16 programs can be set per week for such an automatic operation.

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Weather Chart
Automatic reception of the channel with the highest signal quality available enables the FAX-410 to receive and print out weather charts with little noise. The channel selection is automatically made according to receiving locations and time of the day.

Front Panel
- **Reliable weather facsimile receiver gathers and generates crucial weather conditions at sea**
- **Automatic channel selection by judging the quality of signal reception**
- **All known facsimile channels in 2-25 MHz bands are pre-programmed: 150 channels**
- **Additional memory capacity of 164 user-programmable channels available**
- **Full automatic operation by a built-in schedule timer (16 programs can be set per week for automatic operation)**
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- **10" wide thermal recording paper with clear and easy-to-watch weather charts and satellite images in nine gray levels**

**Operational setting can be configured with combinational use of operation keys and ten keys on the front panel. The following is the brief introduction to the operational setting of the FAX-410.**

- **PRG** Mode selection
- **DIM** Backlight brightness setting
- **SPD** Selection of scanning speed
- **IOC** Switching of IOC
- **FRQ** Switching to the frequency mode and frequency selection
- **CH** Switching to the channel mode and channel selection
- **REV** Reversing black-white in recording
- **RCD** Start/stop recording

**Keys**

**Tuning Indicator**
3 LEDs indicate the reception status illustrating whether the frequency is properly tuned or it should be moved up or down.

**Synchronization Setting**
When printed weather charts and satellite images glide to left or right, synchronization can be adjusted by a SYNC knob.
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INTERCONNECTION DIAGRAM

Whip Antenna 6 m
Preamp Unit FAX-5
Junction Box ARD-1
Preamp Unit
Receiver Unit FAX-410
Receiver Unit
100/115/200/230 VAC
12-24 VDC

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE