

| Class     | Hazardous Location Type  |
|-----------|--|
| Class I   | Areas in which flammable gases or vapours may be present (refineries, gas storage facilities, etc)             |
| Class II  | Areas made hazardous by the presence of <u>combustible dust</u> (metal powder manufacturers, coal plants, etc) |
| Class III | Areas in which there are easily ignitable fibers or flyings present (textile mills, sawdust etc)               |

| Division    | Expected Level of Hazardous Materials  |
|-------------|--|
| Division I  | Normal Situation: The hazard is present in every-day normal operation  |
| Division II | Abnormal Situation: The hazardous material is expected to be safely confined and will only be present in the atmosphere through accidental rupture or abnormal operation |

| Groups | Hazardous Materials                           |
|--------|---|
| A      | Acetylene                                     |
| B      | Includes Hydrogen, Butadiene, Ethylene Oxide  |
| C      | Includes Ethylene, Acetaldehyde, Cyclopropane |
| D      | Includes Acetone, Ammonia, Benzene, Ethanol   |
| E      | Aluminium, Magnesium, other commercial alloys |
| F      | Coal, Carbone black, Charcoal                 |
| G      | Flour, Grain, Wood, Plastic                   |

**This is not a complete list of materials per group. For further information please visit <https://www.ul.com>**

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IC-F62D-UL

## IC-F62D-UL

### UL Approved Intrinsically Safe Digital Radio with 5 W Output Power and Compact Design

- Intrinsically safe: Class I, Division 1, Groups C, D; Class II, Division 1, Groups E, F, G; Class III. T3C.
- Analog FM - UHF 450-520 MHz
- NXDN™/dPMR™
- Full dot-matrix display, rotary channel and volume knob for simple every-day operation
- Built-in Bluetooth® capability, Voice Recording, Active Noise Cancelling functions
- Motion/Stationary Detection, Man Down and Lone Worker functions
- Intelligent battery management helps extend the battery life.



IC-M85UL

## IC-M85UL

### Ultra-Compact Intrinsically Safe Radio with 5 Watt Power Output

- Intrinsically safe: Class I, Division 1, Groups C, D; Class II, Division 1, Groups E, F, G; Class III. T3C.
- Non-incendive: Class I, Division 2, Groups A, B, C, D
- ANSI/TIA-4950-A, ANSI/UL 121201
- Covering 136–174 MHz land mobile frequency, in addition to VHF marine channels
- 700 mW powerful audio provides clear communications.
- Easy switch between channel groups (Marine LMR) with a programmable multi-function button on the top panel
- IP67 and MIL-STD-810G rugged construction
- 11 hours of long-lasting operating time (with BP-292UL, TX: RX: Standby = 5 : 5 : 90)

\* The IC-F62D-UL & IC-M85UL are Intrinsically Safe when used with ICOM BP-292UL battery pack.

## IS Rating Information:

UL is a globally recognized hazardous location Certification. IS ratings outline the environment in which the product is certified as safe to be used through a Class/Division system, where locations are classified according to Class, Division and Group. Class is the type of hazardous material, Division refers to the conditions under which the material is expected to be present, and Groups are the materials.

As an example, a product with the label Class I, Division I, Groups ABCD can be used where flammable gases or vapours in groups ABCD (Acetylene, Hydrogen, Ethylene etc) are expected to be present in normal operation conditions (Division I)

The IC-F62D-UL has the same ratings as the discontinued model IC-F60FM, though through different standards. As such the IC-F62D-UL is a suitable replacement for the IC-F60FM. These ratings are:

Class I Division 1 Groups: C, D  
 Class I Division 2 Groups: A, B, C, D  
 Class II Division 1 Groups: E, F, G  
 Class III T3C

Standards of safety: ANSI/TIA-4950-A ANSI/UL 121201