

TECHNOLOGIES TRANSFERRED FROM ISRO

TT / 07 / VSSC

Search and Rescue Beacon

(Technology Transferred to KELTRON)

Search and Rescue Beacon is an affordable and technically advanced electronic device that helps to rescue people in distress through satellite communication. The beacon transmits encoded digital message that contains information about the beacon, such as its unique identification number, country where the beacon is registered etc. along with current location of the beacon. The beacon gets location information from Global Positioning System (GPS). Various search and rescue satellites under COSPAS-SARSAT network receive the transmitted signals. The messages are processed and retransmitted to different ground stations. These dedicated ground stations receive the message and alert the rescue centres nearest to the spot of accident. The rescue centre in turn initiates the rescue operation. The beacon can be used in sea, on difficult terrains on the land and in air by various groups of people. The technology is licensed to KELTRON for manufacturing and supplying to fishermen.

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