

# ADCS

## Technical Specifications

|  | CONTROL UNIT OF ADFS  |
|--|---|
| Hardware   | Embedded Top side with tablet that communicates through Bluetooth             |
| Number of networks                                   | 1   |
| Number of units in one network                       | 28  |
| Average transmission time                            | 3.2 sec.  |
| Frequency band                                       | Low band: 35 to 41 KHz; High band: 51 to 56 KHz                               |
| Nominal orders transmission range assuming 25m depth | Calm sea conditions: 1000m; Sea condition 4: less than 800m                   |
| Maximum depth  | 150m  |
| Probability of correct reception                     | 95%; Sea condition 4: 80%   |
| 3D compass accuracy                                  | $\pm 2.5^\circ$   |
| Receiver sensitivity                                 | -80 dBV   |
| Battery type   | 7.4V Li-ion/Polymer, 6000mAh, rechargeable                                    |
| Battery life (cycles)                                | 800   |
| Antenna  | Active with low noise amplifier and DSP, internal backup battery 7.4V10000mAh |
| Transducer   | High impact injection molded plastic  |
| Special features                                     | Strong error correction code and option for user encryption                   |

**This system requires Israeli MOD approval**



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