

Class A AIS and DSC Antenna Combiner

proFIL 4201 Class A AIS and DSC Antenna Combiner enables fast installation of both Class A and Class B AIS transponders into ship by eliminating the need to install new antennas and cabling. It exceeds well IMO recommendation of minimum distance between adjacent VHF antennas.



High-performance proFIL™ technology combines separate VHF DSC (ch70 digital selective call) receiver antenna and AIS (automatic identification system) transceiver antenna into the same antenna without compromising safety and performance. By using a common VHF antenna for both AIS transceiver and DSC receiver, cabling is reduced and less space is occupied at ship's topside. Installation of AIS equipment can be instantaneous.

Compared to IMO recommendations, high isolation proFIL™ technology separates two radios virtually by over 200 meters instead of recommended 5 meters. Its low loss technology on all ports does not disturb the sensitivity of the communication equipment.

Save space, simplify structures

- enables fast installation of AIS equipment
- works simultaneously with DSC reception and AIS transmission
- high isolation
- robust design
- can be used with proISO 1001 to prevent ground loops



Electromagnetic modelling services fine-tunes performance

Use our advanced proEMS™ electromagnetic simulation, modelling, analysis and measurement services to create a complete 3D-electromagnetic environment of the ships' external structures. This way the optimum location for each antenna with the least interference can be found and verified. The proEMS™ services are useful for any size of boat or ship and will be tailored for each customer separately.



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Technical features

Filter type:

High isolation duplex filter

RF performance:

DSC: 156.525MHz (ch70)
(RL: >20 dB, Loss: <1.0dB)

AIS: 161MHz - 163MHz
(RL: >20 dB, Loss: <1.0dB)

ANT: 155MHz - 163MHz
(50Ω)

Isolation between output ports:
>60dB

Powerhandling:

Continuous total 100W

Mounting:

Wall mount with built in flanges

Connectors:

N-type female at each port

Environmental:

Operating temp: -30° - +60°
Non condensing

Material:

Painted aluminium

Dimensions:

Height: 50 mm

Width: 200 mm

Depth: 184 mm

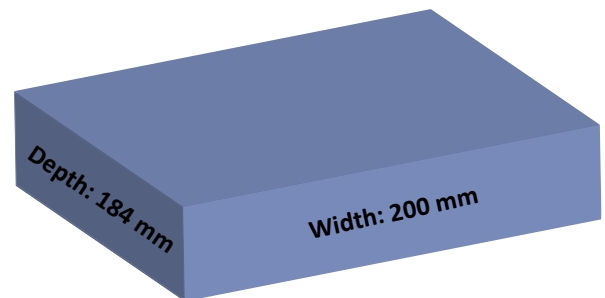
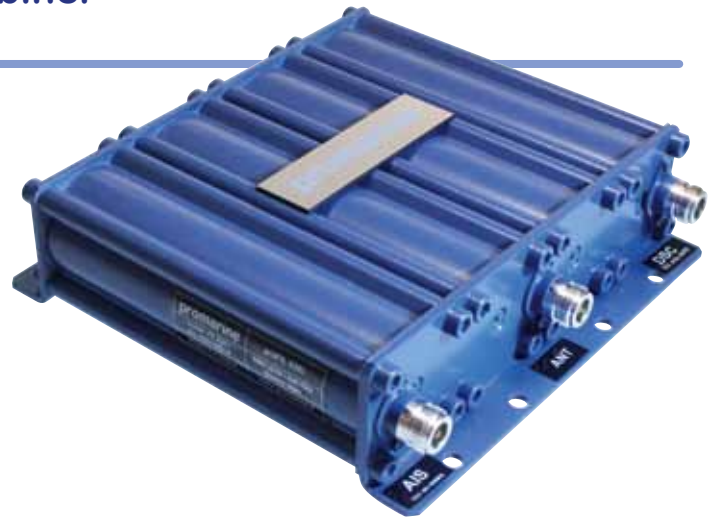
Weight: 1226 g

Order code:

FIL4201: proFIL 4201 Class A AIS and DSC
Antenna Combiner

Delivery time:

From stock (with reservations)



Connection example

