

Control Master®

CONTROL & AUTOMATION
SYSTEMS

DUPLEXOR FILTER COMBINER

The **Control Master®** Duplexor Filter Combiner is a direct replacement for the Hybrid Coupler and Power Video Splitter (Part No. 0942 and Part No. 0110). The duplexor filter combiner has been developed exclusively for use in **Control Master®** Teleremote control systems.

Whilst combining the data and video signals of the system, the duplexor filter combiner also offers improved prevention of interference. In short, the duplexor filter combiner combines the data and video signals while providing maximum isolation and minimum insertion losses.

Specifically designed to combine the data (460 – 490MHz) and video (520 – 650MHz) channels of the RCT **Control Master®** system, while providing maximum isolation and minimum insertion loss:

FEATURES & BENEFITS

- Provides superior data to video isolation and loss performance compared to its predecessor
- Data port will pass 460-490MHz
- Video port will pass 520-650MHz
- IP65 rated powder coated aluminium enclosure for protection against harsh underground mining conditions
- Mounting plate with footprints to match previous hybrid couplers and combiners used in the RCT Teleremote communications system

SPECIFICATIONS

Dimensions (including mounting plate):	230mm x 64mm x 42mm
Dimensions (excluding mounting plate):	150mm x 64mm x 37mm
Weight:	640g
Construction:	Powder coated aluminium
Operating Temperature:	-10 to + 60°C
Operating Humidity:	Up to 90% non-condensing relative humidity
Antenna:	N-Type Bulkhead (Female)
Video:	N-Type Bulkhead (Female)
Data:	N-Type Bulkhead (Female)



DIRECT REPLACEMENT FOR



Hybrid coupler
(Part No. 0942)

&

Power video splitter
(Part No. 0110)

Part No. 7203

Duplexor Filter Combiner

SETUP DIAGRAM



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