Description

The MotionDATA™ Splitter is an accessory you can use to split an electronic line shaft using MotionDATA™ into three parallel lineshafts. The splitter provides two such circuits which can be used independently, or be combined to split one lineshaft into five parallel lineshafts.

Two 1 To 3 Splits

The CBL-MOD8/.7 jumper cable used in the 1 to 5 split is included, however you should order standard CBL-MOD8/xxx cables to connect to the other inputs and outputs separately. Upstream and downstream as used in the above diagrams, refers to the direction of flow of data along the MotionDATA™ chain rather than the physical order of the axis in the system.

The splitter can be used to split MotionDATA™ chains between ORN-DSP cards within one ORION controller or between multiple controllers. It can also be used to split MotionDATA™ chains between multiple Model 20 or 40 controllers or between ORN-DSP cards and Model 20 or 40 controllers. It cannot be used to split Model 20 or 40 MotionDATA™ between GN3-DSP cards within one controller (contact ORMEC if this is what you need to do).
ACC-JMOD8-3
MotionDATA™ Splitter

There is no limit to the number of axes that may be lineshafted together using ACC-MOD8-3 splitters.

**Dimensions**

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+5Vdc at 0.6 to 1.0A depending on the number of cable connections used. This supply may be obtained from the controller using the +5 and R5 terminals providing: a) there is sufficient unused current capacity, b) the unit is mounted within 6 feet (2 meters) of the controller, and; c) it is in the same cabinet.

Mounting: Standard DIN Rail (a 6 inch length of DIN Rail is included).
MotionDATA™ Cables: CBL-MOD8/xxx must be ordered separately, a single CBL-MOD8/.7 is included.
Maximum Cable Lengths: 150 feet (45 meters).
Power Cables: Customer supplied.
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Suggested Power Wiring

ACC-JMOD8

Do not connect shield at this end

+5
R5
SH

Connect to sub panel using 3 in (8 cm) or shorter braided wire

ORION
or
Model 20/40
Controller

+5
R5
Shield

ACC-JMOD8-3
MotionDATA™ Splitter