ADVANCED
MICRO CONTROLS INC.
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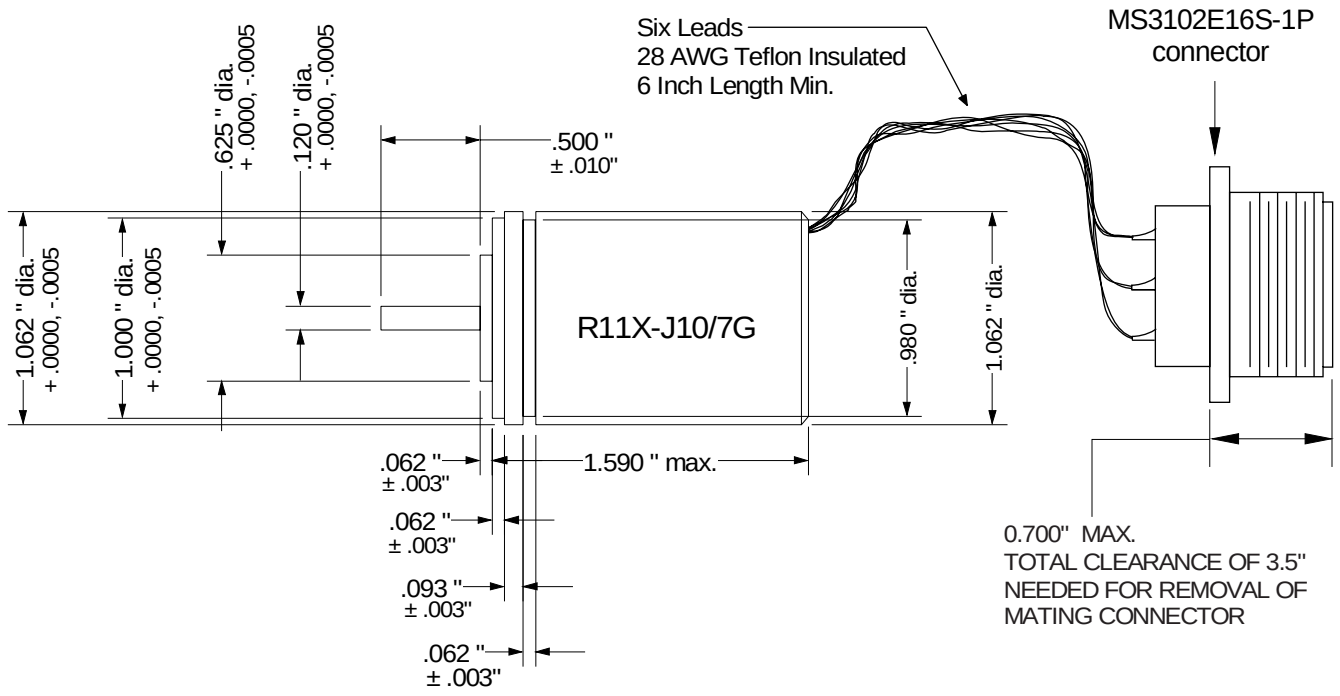
R11X-J10/7G Specification Sheet

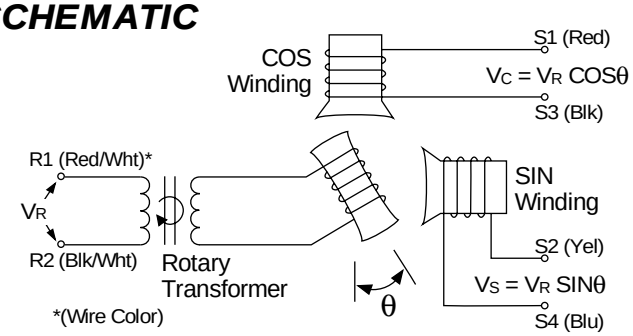
DESCRIPTION

All of AMCI's resolvers are ratiometric, absolute position sensors that reliably operate in harsh environments. The R11X-J10/7G brushless resolver can be used in a wide variety of space critical applications where environmental sealing is not needed. Used in our standard resolver based transducers, the R11X-J10/7G is compatible with all AMCI modules and controllers. The resolver comes with 6 inch leads that are soldered to a MS connector for easy hookup. Cabling from the R11X-J10/7G to an AMCI controller follows standard AMCI published diagrams. Due to it's small shaft size, a flexible coupler must be used when connecting the resolver to your machinery. If your application requires an environmentally sealed package, consider using the HT-6, AMCI's smallest NEMA 13 transducer.

DIMENSIONAL DRAWING



SCHEMATIC



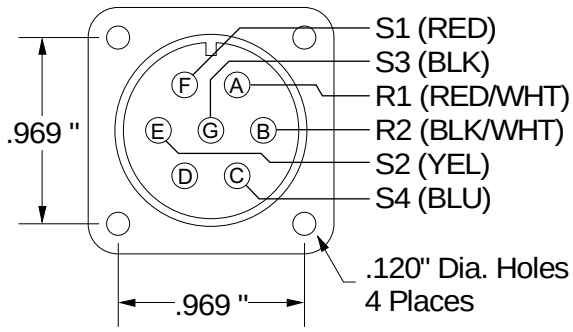
SPECIFICATIONS

Input Voltage:	7.0 V
Input Freq:	5000 Hz
Primary:	Rotor
Input Current:	17.0 mA Max.
Output Voltage:	6.65 V Nom.
Trans. Ratio:	0.95 ± 5%
Accuracy:	7 min. (max. error)
NEMA Rating:	NEMA 1

CONNECTOR PINOUT

The figure to the right shows the connector pin out to industry standard resolver designations. Cabling from the R11X-J10/7G to an AMCI controller follows AMCI's published cable prints.

BENDIX CONNECTOR: MS3102E16S-1P



FEMALE MATE TO CONNECTOR:		*AMCI Part #*
MS3106A16S-1S	STRAIGHT	MS-16
MS3108A16S-1S	RT. ANGLE	MS-18
MS3106F16S-1S	WATERTIGHT	MS-161

COMPATIBLE MODULES AND CONTROLLERS

This table shows AMCI's basic PLC plug-in modules and stand alone controllers that are compatible with the R11X-J10/7G. All of the compatible products are *not* listed.

All AMCI Resolver Interface and PLS Modules that have a '– number' attached to the end of the part number, such as the 1431-03 or 1541-03 are compatible.

All AMCI controllers except for iPCE-2 and iPLC-2 Controllers that *includes* 'N' or 'M' in the part number are compatible. As an example, the iPLC-2-7/O and iPLC-4-9/V3 are compatible, while the iPLC-2-1/MDO is not.

Platform	One Channel	Two Channel	Three Channel	Four Channel
A-B SLC 500	1531, 1541	1532, 1542		
A-B 1771	1731, 1741	1732, 1742	1733, 1743	1734, 1744
GE 90-30	1331, 1341	1332, 1342		
GE 90-70	1931, 1941	1932, 1942	1933, 1943	1934, 1944
Modicon 800 Series	1831, 1841	1832, 1842	1833, 1843	1834, 1844
Modicon Quantum	1831Q, 1841Q	1832Q, 1842Q	1833Q, 1843Q	1834Q, 1844Q
Square D SyMax	1431, 1441	1432, 1442	1433, 1443	1434, 1444
Siemens S5	1131, 1141	1132, 1142	1133, 1143	1131, 1144
AMCI iPCE Controllers	iPCE-1	iPCE-2		iPCE-4
AMCI iPLC Controllers	iPLC-1	iPLC-2		iPCE-4