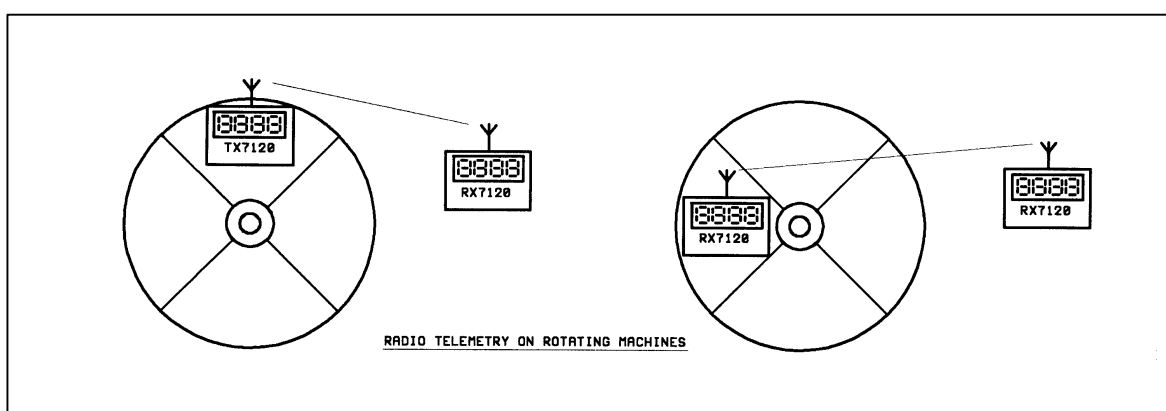


**Overview**

Notoriously unreliable slip rings are the traditional way to communicate with instruments placed on rotating machinery. They suffer from wear, corrosion and dirt. A radio telemetry transmitter such as the TX7120 suffers from none of these problems. As it has its own IP65 enclosure it can be installed quickly and at much less cost. The LCD display on both the transmitter and receiver will provide a real time display of both the analogue and digital signals.

The TX7121 Radio Telemetry transmitter with its own battery power source which will last up to 3 years can be used where there are no other power sources.

**System Specification**

A typical system would consist of a TX7120 mounted on the rotating machinery consisting of :

1 off TX7120 Telemetry Transmitter with 4 DI and 1 AI

At the base station a RX7120 would be installed consisting of:

1 off RX7120 Telemetry Receiver with 4 DO ,1 AO, 1 Serial port ,  
and 1 Telemetry Fail Output

The inputs of a number of TX7120 can be programmed via there internal switches to a single RX7100 Telemetry Receiver which will have an expanded IO.

**Warwick Industrial Electronics Ltd**

Tel: +44 (0) 1455 233616 Fax: +44 (0) 1455 233179

E-mail: sales@radiotelemetry.co.uk

A system with say 6 rotating parts would consist:

6 off TX7120 Telemetry Transmitter with 4 DI and 1 AI

The inputs would be programmed to appear as outputs on a RX7100

1 off RX7100 Telemetry Receiver with 8 Relay , 2 AO and 1 Serial Gateway

2 off X 7102 Digital Output Module with 8 Relay Outputs.

The received data could also be displayed on a SCADA packaged via the serial gateway.

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E-mail: [sales@radiotelemetry.co.uk](mailto:sales@radiotelemetry.co.uk)