***PT ETI FIRE SYSTEMS***
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**TECHNICAL BULLETIN**
**ISSUED : 6 July 2006**
**DOCUMENT : TB 005**
**CO2 Cylinder**

## *TECHNICAL BULLETIN*

PRODUCTION CO2 CYLINDER PART – RPCYLCO2

EFFECTED PARTS

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PART:RPCYLCO2          DESCRIPTION: CO2 CYLINDER.
PART:REMOTE            DESCRIPTION: REMOTE ACTUATOR KIT
PART:REMACTUATOR       DESCRIPTION: REMOTE ACTUATOR ASSEMBLY
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The remote actuator used on the ETI fire system uses a high pressure carbon dioxide cylinder. This cylinder has a frangible seal contained in a brass head on top of the steel cylinder. The gas is released when the piercing pin of the actuator pierces this seal during actuation. These cylinders are then replaced when servicing an actuator after use or when the shelf life of the cylinder has expired after six years from manufacture.

The first production batch was designed to use a $1 \frac{1}{16}$" left hand thread which matched many types already on the international market. Delays in supply by the manufacturer of this cylinder meant that the first batches of stock were supplied without the CO2 cylinder which was back ordered. Continued delays in supply resulted in changing the valve thread to resolve the impasse in supply and make future supply more reliable from a standard production range of the selected supplier.

The new thread is a  0.736"  x 14 TPI right hand thread. This means the cartridge should match those sold by FSI in Australia and Indonesia and the Chubb cylinder used on the older designed actuator which is still in use in some places. Future batches will be made to this specification. Meanwhile an adaptor has been made by ETI which will convert the existing units. The adaptor is screwed into place using a simple permanent locking sealant that will permanently convert the actuator valve to the production thread. Please contact the undersigned if you have any difficulty selecting a permanent locking sealant. I would suggest the Loctite No 542 as a suitable type.



PART : RPCYLCO2

APPROVED:   BAMBANG ISTI YUDONO