



Equipment Safety Systems Model 6277 Safe Flight Pattern Limiter



The Model 6277 Safe Flight Pattern Limiter is designed to meet the requirements of AS1418-10 which requires compliance to the safety standards detailed in ISO13849-2.

The SFPL system architecture is implemented to achieve ISO13849-2 compliance with respect to category 3 safety systems (with single fault fail to safe operation). To achieve these requirements, the following system architectural design features are included:

1. Model 6206 CAN Angle Length Module (CALM)

- Length drawer wire breakage detection
- Stow switch failure detection
- Angle range error detection
- CAN 2.0B bus communication with check sum verification

2. Model 6382 CAN Tilt Angle Module (CTAM)

- Angle range error detection
- CAN 2.0B bus communication with check sum verification

3. Model 6276 CAN Universal Safety Computer (CUSD)

- Dual safety control algorithms with separate outputs
- Dual output relays N/O
- 250ms system watch dog supervisor
- CUSD power up, cut-outs enabled, display fail to safe operation
- CAN bus error detection, fail to safe
- Node error and node disconnection detection, fail to safe
- Boom angle range error detection
- Boom length range error detection
- Turret angle range error detection

EQSS Contact Details:

Ross Bowden

Mobile: +61 418 392 633

Phone: (03) 8770 - 6555

E-mail: ross@eqss.com.au