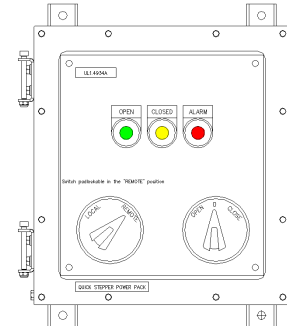


## Quick Stepper<sup>®</sup> Electro Hydraulic Power Pack “H2-EX”

- Quick Stepper Electro Hydraulic Power Pack H2-EX is a compact control unit for rotary/linear double and single acting actuators where pressurized air is not available. Designed to solve most functions needed in a control loop.
- The unit can operate as an on/off control, positioner or stand-alone controller.
- The unit is very easy to use and can be easily configured by the built in switches, hand display or the free software QSWinLT.
- Remote installation gives an easy access for service and maintenance.
- No mechanical relays! SSR outputs assure high resolution and long lifetime.
- Manual override for emergency operation and local control.
- Designed for ATEX applications
- Lots of options are available.



Electro Hydraulic Power Pack  
Local Indicator/Selector  
H2-EX-FSEH-PPCP

### Available options:

- ✓ Actual position, mA out
- ✓ Alarm (HI or LO) with hysteresis & timer (4Pcs)
- ✓ Analogue inputs with math functions (2Pcs) & 2-wire supply
- ✓ Anti-jammed/stuck valve algorithm
- ✓ Bus Communication. Multiple protocol support
- ✓ Contactless external feedback (Linear & Rotary)
- ✓ Deviation alarm
- ✓ Digital inputs (3Pcs)
- ✓ Digital outputs (3Pcs)
- ✓ Emergency operation - Hand pump / Hand gear box
- ✓ Fail safe stop, open, close, or preset value
- ✓ GPRS-Module for remote access with QSWinLT
- ✓ Integrated PI-controller. PosiCon™
- ✓ Limit switches 2Pcs (External)
- ✓ Maintenance alert & statistic
- ✓ PC-configuration with QSWin™ LT software , (Free of charge)
- ✓ PosiForce™ for ball & throttle valve, optimizing control range
- ✓ Pre-set position from digital input or alarm
- ✓ Remote installation or built on actuator
- ✓ Time controlled open/close in 2 times zones. PosiRamp™
- ✓ QS-Lock™, Lock positioner and stop ramp
- ✓ QS-Output Tracking™, Write actual position to ramp set-point after lock
- ✓ QS-Bus™ Server client OPC-software
- ✓ QS-Timeout™, Pump control
- ✓ QS-PosiPump™ Hydraulic pump start/stop/off delay (SSR out 3)

| Technical Specifications & Dimensions: |                                     |  |
|--|-------------------------------------|--|
| Description:                           | Data:                               |  |
| Analogue input 1&2 :                   | 0/4-20 mA DC * 0/1-5VDC * 0/2-10VDC | <p>Application examples: “ATEX”</p> <ul style="list-style-type: none"> <li>❖ Chemistry and Petro chemistry</li> <li>❖ District heating plants</li> <li>❖ Energy and water management</li> <li>❖ Oil, gas and tank stations</li> </ul> <ul style="list-style-type: none"> <li>• Critical fail safe application</li> <li>• Stand alone control</li> <li>• Two speed actuator control</li> </ul> <p>The only need of a control signal and main voltage makes the advantages compared to electro-mechanic or pneumatic actuators easy to realize.</p> <p>In addition are the extensive safety functions together with a high control force or torque which can be generated with very good accuracy.</p> |
| Connection of electrical signals       | 6 x M20 and 1 x M32                 |  |
| Control voltage                        | 100–240 V~, 47–63 Hz                |  |
| Digital in / outputs                   | Optocoupler / Optocoupler NPN       |  |
| Enclosure                              | IP66                                |  |
| Material, housing                      | Cast aluminium, painted black       |  |
| Output module                          | SSR, Ton/Toff time less than 100µs  |  |
| Standards of Compliance output module  | CE Compliant with LVD 73/23/EEC     |  |
| Supply voltage standard version        | 100–240 V~, 47–63 Hz                |  |
| Temperature limits                     | -25...+40°C                         |  |
| Weight                                 | App. 21 kg                          |  |
| Dimensions                             | H=335, W=310, D=205 mm              |  |
| CE number                              | CE 0102                             |  |
| EC-Type Examination Certificate        | SIRA 04 ATEX 1266X                  |  |
| Group,category, protection,temp.class  | Ex II 2, G Ex d IIB Gb              |  |

*Do more with less!*