

Actuators

UP – Universal Pneumatic Rotary Actuators

June 15, 2015

Measurement made easy

New options for UP Series Pneumatic Actuators

In 2014 we announced the release of several new options for the UP series Universal Pneumatic Actuators. Here is a summary of those new options:

- CE approval for UP actuators
- IP66 enclosure rating
- EDP300 Positioner option
- UP7 model with 7326Nm (5400ft-lb) torque

New options for 2015

We are pleased to announce the introduction of several new options in 2015, to satisfy the requests of more application flexibility on the UP actuators, as required by various process applications for pneumatic damper control solutions, used in the boiler combustion control process and other related final control element actuation. Here is a summary of the new options:

- Option for automatic reset for air failure lock-up
- Option for reserve air tank without pressure switch
- Option for TZIDC/EDP300 without HART
- Option for position indicator on TZIDC/EDP300
- Option for certification of conformance
- Option for filter & regulator as part of order code

1) Option for Automatic Reset of Air Failure Control:

An additional option code in section “Air Failure Control” selection now provides an automatic reset function of the UP actuator upon recovery of the compressed air. In this option the parts associated with “Manual” reset are removed, also the pneumatic tubing is factory pre-connected for UP3-7 to allow for the automatic reset.

2) Option for Reserve Air Tank without pressure switch function:

An additional option code under “Air Failure Control” selection was added that excludes the pressure switch. In some cases the application already has a pressure switch to monitor the compressed air supply pressure, and therefore does not need such a switch as part of the UP actuator.



3) Option for TZIDC/EDP300 without HART:

An option was added in the “Additional Ordering Information” section that would exclude HART communication for TZIDC & EDP300 positioners. In some cases applications that do not require HART protocol can now have some cost savings.

4) Option for position indicator on TZIDC/EDP300:

An option was added in the “Additional Ordering Information” section for a mechanical beacon indicator on the TZIDC & EDP300 positioner. All UP actuators already have as standard a mechanical scale type indicator, however if an indicator is needed on the positioner this option should be selected.

5) Option for Certification of Conformance:

An option was added in the “Additional Ordering Information” section for Certification of Conformance. This factory issued certificate provides the end user with conformation that the product was built in accordance to the order specifications.

6) Option for Filter & Regulator as part of order code:

An option was added in the “Additional Ordering Information” section for a Filter & Regulator to be included in the delivery of the UP actuator for field installation. This filter and regulator will help to provide long term trouble free operation and ensures the air quality requirements of the positioner are met.

The addition of this option as part of the UP order code provides purchasing convenience for the end user.

Points to note:

To accommodate some of these options it has become necessary to make changes to the UP internal pneumatic components and tubing. With regards to Air Failure Lock-up and Reserve air Tank options we are incorporating lock and trip valves supplied by YTC.

The Installation Manual includes these changes and additional options and is available to download from www.abb.com/measurement.

We trust that these new options will provide solutions for applications that were previously not possible with the standard UP actuators.

If you have additional questions, please contact your local sales office.

Regards,



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Go to www.abb.com/measurement for all public documents (Manuals, Data Sheets, Tech Pubs)

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UP Data Sheet: [Click Here](#)

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