



Terms & Conditions (T&C's) and Prerequisites for Pre-commissioning

1°) The Rf-Technologies ZENiX control solutions can only be priced in full after review and agreement on the final project requirements and specifications.

Please appreciate that until the Rft ZENiX team has had an in-depth systems requirements briefing and discussion, the offered controls solution may not yet include all necessary components and services to accommodate the full the project requirements.

Therefore the controls components and services list may still require an extension to the below initially offered and will hence come at extended pricing to be formalized in an updated follow-on quotation.

Limited extent of our initial offering:

- Cause and effect functionality (C&E) is limited to one (1) alarm and all fire dampers close (fail safe close).
 - o A more complex C&E will not automatically increase the cost of our offering, however this can only be confirmed after establishing the final system composition and final C&E.
- In case of a required connection with a “building management system” (BMS), our standard ZENiX controller (500 or 100) can be integrated using BACnet protocol over IP. BACnet or Modbus bi-directional communication and steering can be provided requiring additional controls components. This is currently not offered.
- Rft controls field modules can drive either Belimo or Rft ONE-T actuators (other brands are to be discussed in detail before confirmation)
- If mechanical fire dampers are to be monitored, the FDCU or FCU option must be specified with the fire dampers when you order, so that they are already installed when delivered from the factory.
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2°) The Rf-Technologies ZENiX control solution is limited to “supply and pre-commissioning” only.

- Specifically, in case of use with 3rd party fire or smoke control dampers, all electrical and communication connections or wiring to the damper actuators is not part of the current Rft offering.
- Specifically, in case of use with Rft fire or smoke control dampers, either equipped with the Rft ONE-T actuators, Rft smoke control damper actuators or Belimo actuators, Rft can optionally mount and connect the related Rft field modules to the respective actuators at the time of production. This service is currently not offered in this quotation.
- Specifically, in case of using the Rft ONE-X, actuator with integrated field module, there is no additional cost for connecting the field module to the actuator.
- In addition, all electrical and communication connections or wiring to any other system is not part of the current Rft offering.

3°) Pre-commissioning and Prerequisites

Rft pre-commissioning can only be performed by Rft or its certified partners.

(list of certified partners available on demand)

Pre-commissioning consists of and covers:

A) Datapoint check, identifying all dampers, identifying any discrepancies with received damper list, identifying any connection and wiring issues, ...

B) Witnessing & demonstrating of maximum 10% of commissioned dampers.

Pre-commissioning does not include, nor cover:

Program changes to accommodate changes to priorly communicated damper schedule and the pre-programmed C&E.

- Program changes will come at additional charges and may require additional pre-commission visits or days at the related service charges

Additional services can be requested at mentioned service day charge.

Pre-requisites and responsibilities of the customer:

Rft needs to be informed of the exact date of the pre-commissioning, 3 weeks prior to the exact date.

Rft needs to be informed of the full installation readiness of dampers and related control components by means of a fully checked Rft pre-commissioning checklist and preferably accompanied by visual proof of, either pictures or video material. This evidence needs to be provided to us at least 10 working days before the exact date of the pre-commissioning.

We always ask that the installer of the fire dampers be present to correct any mechanical problems during the pre-commissioning. In addition, we also ask that an electrical engineer be present to correct any cable errors.

Installation readiness implies:

- all required and final electrical connections in place and all fire damper functionality tested, confirmed and powered
- all controls components in place, correctly installed and powered
- all necessary access means in place (physical, electrical, digital, ...)

In case any of the pre-requisites to pre-commissioning are not in place at arrival of the Rft team, Rft has the right to abort the pre-commissioning and leave the premises. Abortive charges will be applied. A corrective pre-commissioning and related charges will need to be rediscussed between the customer and the Rft sales team.

All outstanding invoices due are to be settled before pre-commissioning.

4°) Limitation of liabilities

The responsibility for the correct product selection in line with UK-CA / CE, including the related sealing and installation methods per construction and in line with the power system, resides with the customer until Rft has received full related details and confirmed the correct selection.

A positive pre-commissioning is not an endorsement of a correct damper selection or correct installation, as this remains the responsibility of the related installer.

5°) Expenses

Depending on location, travel expenses and overnight stay will be charged.

The time our commissioning engineers spend in advance to gain access to the site will be charged. This applies to the inductions and additional safety instructions that must be reviewed before they are allowed to enter the site.

Kind regards,

Team ZENiX