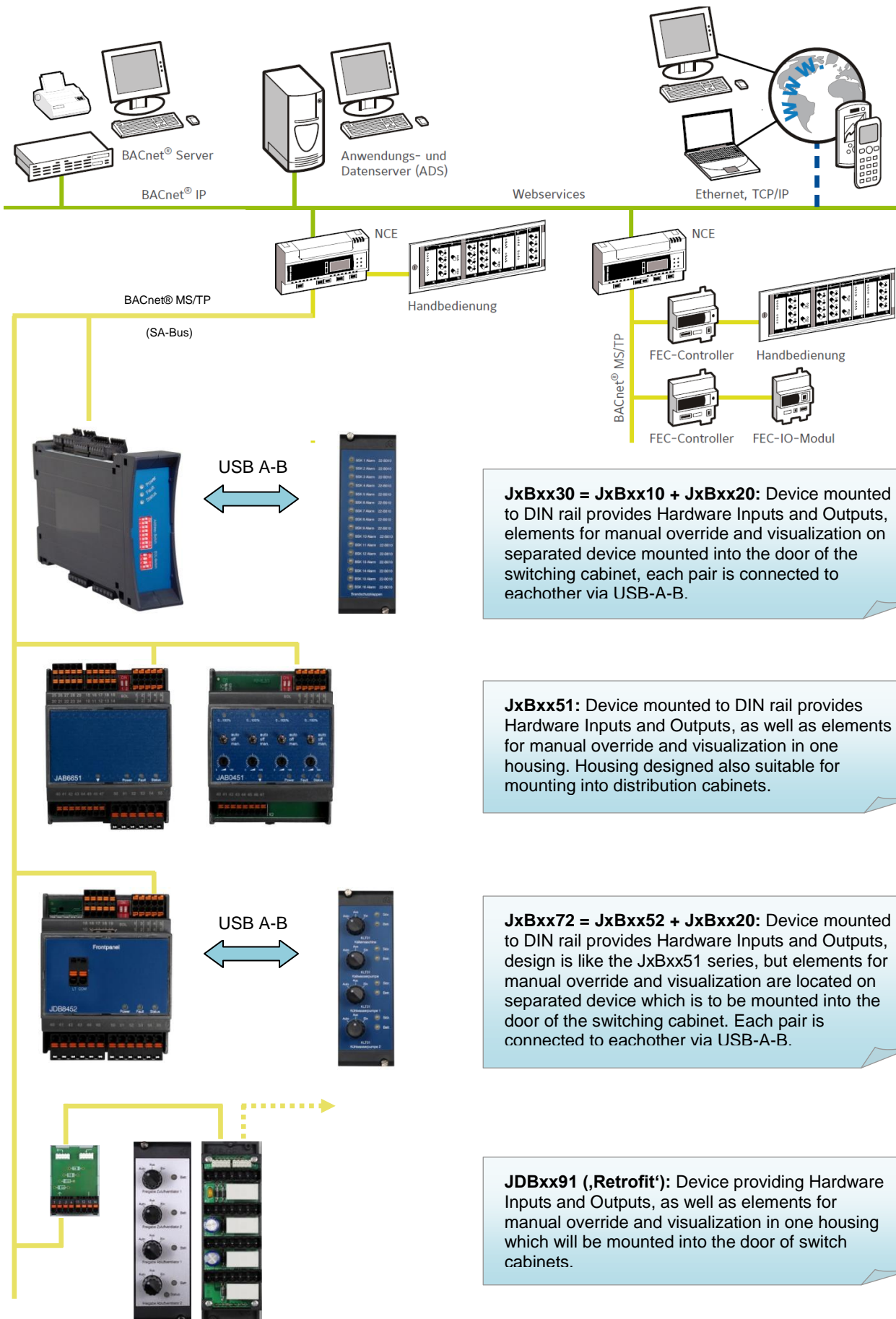# Variants of expansion modules
to be connected to the
SA Bus of Johnson Controls Metasys® FEC family
of field equipment controllers

JxBxx30 = JxBxx10 + JxBxx20: Device mounted to DIN rail provides Hardware Inputs and Outputs, elements for manual override and visualization on separated device mounted into the door of the switching cabinet, each pair is connected to eachother via USB-A-B.

JxBxx51: Device mounted to DIN rail provides Hardware Inputs and Outputs, as well as elements for manual override and visualization in one housing. Housing designed also suitable for mounting into distribution cabinets.

JxBxx72 = JxBxx52 + JxBxx20: Device mounted to DIN rail provides Hardware Inputs and Outputs, design is like the JxBxx51 series, but elements for manual override and visualization are located on separated device which is to be mounted into the door of the switching cabinet. Each pair is connected to eachother via USB-A-B.

JDBxx91 (‚Retrofit'): Device providing Hardware Inputs and Outputs, as well as elements for manual override and visualization in one housing which will be mounted into the door of switch cabinets.

Available types overview

JxBxx30 Series

Product Set	Consisiting of…			
Order Code	I/O Module	Device for Manual Override and Indication	Data Points	Accessories
JDB8030	JDB8010	JDB8020	8 BI	USB A-B 3.0m
JDB8430	JDB8410	JDB8420	8 BI, 4 BO (4x 1-state)	USB A-B 3.0m
JDB6430	JDB6410	JDB6420	6 BI, 4 BO (2x 2-state)	USB A-B 3.0m
JDB1630	JDB1610	JDB1620	16 BI	USB A-B 3.0m
JAB0430	JAB0410	JAB0420	4 AO	USB A-B 3.0m
JAB6610	JAB6610	N / A	2 BI, 2 BO, 4 AI, 4 AO	N / A

JxBxx51 Series

Product Set	Consisiting of…			
Order Code	I/O Module	Device for Manual Override and Indication	Data Points	Accessories
JDB8051	JDB8051	included in the Device	8 BI	N / A
JDB8451	JDB8451	included in the Device	8 BI, 4 BO (4x 1-state)	N / A
JDB6451	JDB6451	included in the Device	6 BI, 4 BO (2x 2-state)	N / A
JDB1651	JDB1651	included in the Device	16 BI	N / A
JAB0451	JAB0451	included in the Device	4 AO	N / A
JAB6651	JAB6651	N / A	2 BI, 2 BO, 4 AI, 4 AO	N / A

JxBxx72 Series

Product Set	Consisiting of…			
Order Code	I/O Module	Device for Manual Override and Indication	Data Points	Accessories
JDB8072	JDB8052	JDB8020	8 BI	USB A-B 3.0m
JDB8472	JDB8452	JDB8420	8 BI, 4 BO (4x 1-state)	USB A-B 3.0m
JDB6472	JDB6452	JDB6420	6 BI, 4 BO (2x 2-state)	USB A-B 3.0m
JDB1672	JDB1652	JDB1620	16 BI	USB A-B 3.0m
JAB0472	JAB0452	JAB0420	4 AO	USB A-B 3.0m
JAB6651	*JAB6651*	N / A	2 BI, 2 BO, 4 AI, 4 AO	N / A

JDBxx91 (Retrofit) Series

Product Set	Consisiting of…			
Order Code	I/O Module	Device for Manual Override and Indication	Data Points	Accessories
JDB8091	JDB8091	included in the Device	8 BI	Bus connection cable (short) delivered with every JDBxx91 module
JDB8491	JDB8491	included in the Device	8 BI, 4 BO (4x 1-state)	
JDB6491	JDB6491	included in the Device	6 BI, 4 BO (2x 2-state)	
Connection Board	1x SA Bus Connection Board per mounting rack required			Bus connection cable (long) (3 pcs.)