**General overview of products for the SUMMER 2017 campaign - valid sales names**

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| **JA-111ST-A** | Bus combined smoke and heat detector |

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| **JA-151ST-A** | Wireless combined smoke and heat detector |

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| **JA-190Y** | GSM communicator module |

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| **PLV-JA111R** | JA-111R housing |

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| **JA-110Z-D** | Multiposition bus terminal module |

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| **JB-150N-HEAD** | Wireless valve actuator |

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| **JB-VA78/16/26/80** | Valve adapters type VA78/16/26/80 |

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| **JA-100K** | Control panel with built-in LAN communicator |

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| **JA-100KR** | Control panel with built-in LAN communicator and radio module |

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| **JA-110E** | Bus keypad |

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| **JA-150E** | Wireless keypad |

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| **Innovation of KR sets** | This is not a separate product that we will promote. Details - see below |

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| **Innovation of the JA-101Kxx control panels** | This is not a separate product that we will promote. Details - see below |

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| **JB-EXT-TH-R** | Wireless outdoor thermometer |

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| **JB-EXT-TH-B** | Bus outdoor thermometer |

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| **JB-TS-PT1000** | Universal temperature sensor type PT1000 |

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| **F-LINK 1.6.0** | Settings software for JABLOTRON 100 installers |

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| **J-LINK 1.6.0** | Settings software for JABLOTRON 100 users |

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| **WEB-LINK 1.6.0** | Settings software for JABLOTRON 100 installers |

**Sales pitch and specifications for the WEB**

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| **JA-111ST-A**  Sales pitch and WEB basis: | Used to detect a fire risk in the interior of residential or commercial buildings. It comprises of a siren that indicates a fire alarm, both from the entire detector and from another fire detector in the system. |
| Supplementary WEB information: | If the detector’s power is supplied from the control panel bus, it works as a system device (EN 54-7; EN 54-5).    If the detector is supplied by inserted batteries (3x 1.5 V AA), in the case of a loss of the 12V supply voltage or communication with the control panel, it continues working as an autonomous unit (EN 14604).  The detector indicates a dangerous situation optically with an integrated light and with a siren. It is able to acoustically report:   * a fire alarm detected by the detector itself * a fire alarm from the system (alarm triggered by another fire detector) * another type of alarm (e.g. an intruder alarm) * for alarms reported by the system, sections can be set for which the alarm will be indicated   The product contains two separate detectors – an optical smoke detector and a temperature detector. The **optical smoke detector** uses the diffused light principle. It is very sensitive to particles that are present in thick smoke. It is less sensitive to small particles produced by the burning of liquids such as e.g. alcohol. Therefore, a **heat detector** is integrated, which responds better to a fire developing heat quickly with a small amount of smoke.  The fire detectors should be installed by a trained installer with a valid Jablotron certificate. The detector is not designed for installation in industrial environments. |
| Technical specifications: | |  |  | | --- | --- | | Power supply | 9 – 15 V DC/ 3.5 mA (150 mA during an alarm)  3x alkaline batteries AA 1.5 V / 2.4 Ah  3x lithium batteries FR6 (AA) 1.5 V / 3.0 Ah  **Batteries are not included in the product package.** | |  | the rest is completely identical to the JA-111ST | |

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| **JA-151ST-A**  Sales pitch and WEB basis: | Used to detect a fire risk in the interior of residential or commercial buildings. It comprises a siren that indicates a fire alarm both from the entire detector and from another fire detector in the system. |
| Supplementary WEB information: | The detector communicates wirelessly and it is supplied by batteries (3x 1.5 V AA).    If the detector is operated without being assigned to a control panel or if communication with the control panel has been lost, it works in an autonomous mode (EN 14604).  The detector indicates a dangerous situation optically with an integrated light and a siren. It is able to acoustically report:   * a fire alarm detected by the detector itself * a fire alarm from the system (alarm triggered by another fire detector) * another type of alarm (e.g. an intruder alarm) * for alarms reported by the system, sections can be set for which the alarm will be indicated   The product contains two separate detectors – an optical smoke detector and a temperature detector. The **optical smoke detector** uses the diffused light principle. It is very sensitive to particles that are present in thick smoke. It is less sensitive to small particles produced by the burning of liquids such as e.g. alcohol. Therefore, a **heat detector** is integrated, which responds better to a fire developing heat quickly with a small amount of smoke.  The fire detectors should be installed by a trained installer with a valid Jablotron certificate. The detector is not designed for installation in industrial environments. |
| Technical specifications: | |  |  | | --- | --- | | Power supply | 3x alkaline batteries AA 1.5 V / 2.4 Ah  3x lithium batteries FR6 (AA) 1.5 V / 3.0 Ah  **Batteries are not included in the product package.** | |  | the rest is completely identical to the JA-151ST | |

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| **JA-190Y**  Sales pitch and WEB basis: | The GSM communicator module is designed for the JA-100K and JA-100KR alarm control panels. It serves as a backup and extension of the LAN communicator, which is part of the control panel. If installed, it enhances data transmission reliability to the JABLOTRON CLOUD and to the ARC. |
| Supplementary WEB information: | The communicator makes it possible:   * to control the system through a voice menu * to report events to a mobile phone (SMS and voice messages) directly from the control panel |
| Technical specifications: | |  |  | | --- | --- | | Module power supply | 12 V DC (from the control panel)  Average current consumption: approx. 40 mA (depending on the GSM signal strength)  Peak current consumption 750 mA | | Working range of the GSM module | QUAD-BAND, 850/900/1800/1900MHz | | Classification | security class 2 according to EN 50131-1 +A1 ­+A2, EN 50131-3, EN 50131-10, EN 50136-1, EN 50136-2, ANSI SIA DC-09, T 031 | | Environment | II. general indoor | | Certification body | Safe test | | It also meets the requirements of | EN 60950-1, ETSI EN 301 489-1, ETSI EN 301 489-7, EN 55022, EN 50130-4, ETSI EN 301 419-1 and EN 301 511 | | Caller’s identification (CLIP) | ETSI EN 300 089 | | Operation conditions | VO-R/1 (CEPT/ECC/DEC/(04)06) | |

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| **PLV-JA111R**  Sales pitch and WEB basis: | A plastic housing for the JA-111R radio module installed by the manufacturer in the control panel (e.g. JA-101KR, JA-106KR set, etc.). It is designed for mounting the radio module outside the control panel of the security system. |
| Supplementary WEB information: | The product should be installed by a trained installer with a valid Jablotron certificate. |
| Technical specifications: | |  |  | | --- | --- | | Dimensions | 43 x 160 x 23 mm | | Weight | 50 g | | Environment | II. indoor, general (in accordance with EN 50131-1) | | Operating temperature range | -10 °C to +40 °C | |

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| **JA-110Z-D**  Sales pitch and WEB basis: | It is designed to connect the conductors of complex bus installations of the JABLOTRON 100 system. It can be divided into two independent bus branches by the disconnection of jumpers. |
| Supplementary WEB information: | It can be installed in the JA-194PL, PLV-CP-M/L junction box or directly in the JA-106K control panel. |
| Technical specifications: | |  |  | | --- | --- | | Maximum voltage | 48 V DC / 60 V DC | | Maximum current | 2 A | |

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| **JB-150N-HEAD**  Sales pitch and WEB basis: | It is used to control a radiator valve or floor heating. The actuator is an option of the JA-1x0TP thermostats and in combination with them it extends the capabilities of the JABLOTRON 100 system in the field of simple zone control. The actuator follows the status of the selected programmable output of the control panel. |
| Supplementary WEB information: | In a building, up to 16 actuators can be installed independently of the settings of individual thermostats. Before installation, a correct adapter type must be selected with respect to the radiator valve. As supplied from the manufacturer, the actuator comprises the basic VA 50 adapter designed for common valves with the screw union dimensions of M30 x 1.5. If necessary, we offer 4 other adapter types: JB-VA16, JB-VA26, JB-VA78 and JB-VA80.    The valve actuator is then simply assigned to a thermostat enrolled in the control panel. Then, they offer the following functions together:  · Automatic switch-over to the economy temperature on setting of the premises  · Weekly schedule mode  · Possibility to enter the manual temperature setting mode  · Possibility to switch off if just a minimum temperature should be maintained in the building  · Heating suppression if a window is open  · Report in case of overheating or freezing |
| Technical specifications: | |  |  | | --- | --- | | Power supply | 3 alkaline batteries AA (LR6) 1.5 V / 2.4 Ah  **Batteries are not included in the product package.** | | Typical service life | 1 year - heating season (at 10 cycles/day) | | Communication band | 868.1 MHz, JABLOTRON protocol | | Communication range | 300 m (line of sight) | | Dimensions | 185 x 49 mm | | Weight | 105 g | | Operating temperature range | 0 °C to +60 °C | |

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| **JB-VA78**  Sales pitch and WEB basis: | Adapter for the connection of the JB-150N-HEAD actuator to a radiator valve The package contains 5 adapters. |
| Supplementary WEB information: | The VA 78 type is designed for the valve type:   * Danfoss RA |
| Technical specifications: | |  |  | | --- | --- | | Adapter type | VA 78 | | Valve | Danfoss RA | |

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| **JB-VA16**  Sales pitch and WEB basis: | Adapter for the connection of the JB-150N-HEAD actuator to a radiator valve The package contains 5 adapters. |
| Supplementary WEB information: | The VA 16 type is designed for the valve type:   * Herz * Polytherm * KAN-Therm (brass manifold) * Thermoval * Buderus |
| Technical specifications: | |  |  | | --- | --- | | Adapter type | VA 16 | | Dimensions | M 28 x 1.5 | | Valve | Herz, Polytherm, KAN-Therm (brass manifold), Thermoval or Buderus | |

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| **JB-VA26**  Sales pitch and WEB basis: | Adapter for the connection of the JB-150N-HEAD actuator to a radiator valve The package contains 5 adapters. |
| Supplementary WEB information: | The VA 26 type is designed for the valve type:   * Giacomini * Giacomini Angle valve (H) |
| Technical specifications: | |  |  | | --- | --- | | Adapter type | VA 26 | | Valve | Giacomini, Giacomini Angle valve (H) | |

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| **JB-VA80**  Sales pitch and WEB basis: | Adapter for the connection of the JB-150N-HEAD actuator to a radiator valve The package contains 5 adapters. |
| Supplementary WEB information: | The VA 80 type is designed for the valve type:   * Heimeier * Herb * Onda * IVAR * Thermoval * MNG * Schlösser * Mair * and more... |
| Technical specifications: | |  |  | | --- | --- | | Adapter type | VA 80 | | Dimensions | M 30 x 1.5 | | Valves | Heimeier, Herb, Onda, IVAR, Thermoval, MNG, Schlösser, Mair and more | |

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| **JA-100K**  Sales pitch and WEB basis: | Belongs to the core devices of the JABLOTRON 100 security system. This is the smallest control panel for the protection of apartments, family houses and small businesses. It has a built-in LAN communicator. |
| Supplementary WEB information: | The required settings and sizing of the system are programmed through the F-Link software.    The JA-100K control panel offers:    ● up to 32 wireless or bus devices  ● up to 32 user codes  ● up to 4 sections  ● up to 4 programmable PG outputs  ● 10 independent schedules  ● SMS and voice reports from the system to up to 8 users  ● 5 ARCs can be set  ● 5 selectable protocols for an ARC    The control panel has an integrated LAN communicator that enables data communication with an ARC and the JABLOTRON CLOUD, which enables full use of the MyJABLOTRON application.    The control panel contains:  ● 1 terminal board for bus connection  ● 1 connector for a built-in radio module (JA-111R)    **The control panel can only be installed by a trained installer with a valid Jablotron certificate.** |
| Technical specifications: | |  |  | | --- | --- | | Control panel power supply | 230 V, 50 Hz, max. 0.1 A,  protection class II | | Back-up battery | 12 V / 2.6 Ah  maximum battery charging time 72 h  max. continuous consumption from the control panel: 400 mA  max. continuous consumption for backing up 12 hours (battery 2.6 Ah) | | LAN off | 125 mA | | LAN on | 85 mA | | Dimensions | 268 x 225 x 83 mm | | Power supply unit | type A (EN 50131-6) | | Operating frequency  (with a JA-110R module) | 868 MHz ISM band | | Attempt to find the code Alarm | after 10 wrong code entries | | Event history: | approx. 7 million latest events, incl. date and time | | Classification | security class 2 according to EN50131-1, EN 50131-3, EN 50131-6, EN 50131-5-3 | | Environment | II. indoor, general in accordance with EN 50131-1 | | Operating temperature range | -10 to +40 °C | | Radio emissions | ETSI EN 300220 (module R), ETSI EN 301 419-1, EN 301 511 (GSM) | | EMC | EN 50130-4, EN 55022, ETSI EN 301 489-7 | | Safety | EN 60950-1 | | Operation conditions | ČTÚ VO-R/10/04.2012-7, ČTÚ VO-R1/12.2008-17 | |

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| **JA-100KR**  Sales pitch and WEB basis: | Belongs to the core devices of the JABLOTRON 100 security system. This is the smallest control panel for the protection of apartments, family houses and small businesses. It has an integrated LAN communicator and it is fitted with the JA-111R module. |
| Supplementary WEB information: | The required settings and sizing of the system are programmed through the F-Link software.    The JA-100K control panel offers:    ● up to 32 wireless or bus devices  ● up to 32 user codes  ● up to 4 sections  ● up to 4 programmable PG outputs  ● 10 mutually independent schedules  ● SMS and voice reports from the system to up to 8 users  ● 5 ARCs can be set  ● 5 selectable protocols for an ARC    The control panel has an integrated LAN communicator that enables data communication with an ARC and the JABLOTRON CLOUD, which enables full use of the MyJABLOTRON application.    The control panel contains:  ● 1 terminal board for bus connection    **The control panel can only be installed by a trained installer with a valid Jablotron certificate.** |
| Technical specifications: | |  |  | | --- | --- | | Control panel power supply | 230 V, 50 Hz, max. 0.1 A,  protection class II | | Back-up battery | 12 V / 2.6 Ah  maximum battery charging time 72 h  max. continuous consumption from the control panel: 400 mA  max. continuous consumption for backing up 12 hours (battery 2.6 Ah) | | LAN off: | 125 mA | | LAN on | 85 mA | | Dimensions | 268 x 225 x 83 mm | | Power supply unit | type A (EN 50131-6) | | Operating frequency  (with a JA-110R module) | 868 MHz ISM band | | Attempt to find the code Alarm | after 10 wrong code entries | | Event history: | approx. 7 million latest events, incl. date and time | | Classification | security class 2 according to EN50131-1, EN 50131-3, EN 50131-6, EN 50131-5-3 | | Environment | II. indoor, general in accordance with EN 50131-1 | | Operating temperature range | -10 to +40 °C | | Radio emissions | ETSI EN 300220 (R module), ETSI EN 301 419-1, EN 301 511 (GSM) | | EMC | EN 50130-4, EN 55022, ETSI EN 301 489-7 | | Safety | EN 60950-1 | | Operation conditions | ČTÚ VO-R/10/04.2012-7, ČTÚ VO-R1/12.2008-17 | |

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| **JA-110E**  Sales pitch and WEB basis: | It comprises an LCD display, control keys and an RFID reader. It is available in a bus-mounted as well as wireless version. It comprises 4 functional keys for the control of sections, PG outputs and other functions. The functional keys serve as status indicators at the same time. |
| Supplementary WEB information: | - It communicates via a bus and is supplied by it.  - It contains a wired input for the connection of a magnetic detector.  - The keypad is addressable and occupies one position in the security system.  - In a user-friendly menu, it enables comfortable control, management of users and detectors and browsing the event history. |
| Technical specifications: | |  |  | | --- | --- | | Power supply | 9 - 15 V, from the control panel bus  Backup (idle) mode consumption: 30 mA  Current consumption for cable selection: 110 mA | | Interconnection type | Data bus - not shared | | RFID frequency | 125 kHz | | Dimensions | 120 x 130 x 30 mm | | Weight | 217 g | | Operating temperature range | -10 to +40 °C | | Average operating humidity | 75 % RH | | Environment | II. indoor, general in accordance with EN 50131-1 | | Classification | security class 2 (if set in F-Link) in accordance with EN 50131-1, EN 50131-3 | | It also meets the requirements of | ETSI EN 300 330, EN 50130-4, EN 55022, EN 60950-1, ETSI EN 301 489 | | Operation conditions | ČTÚ č. VO-R/10 (ERC REC 70-03) | |

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| **JA-150E**  Sales pitch and WEB basis: | It comprises an LCD display, control keys and an RFID reader. It is available in a bus-mounted as well as wireless version. It comprises 4 functional keys for the control of sections, PG outputs and other functions. The functional keys serve as status indicators at the same time. |
| Supplementary WEB information: | - It is fully wireless and supplied by batteries.  - It contains a wired input for the connection of a magnetic detector.  - The keypad is addressable and occupies one position in the security system.  - In a user-friendly menu, it enables comfortable control, management of users and detectors and browsing the event history. |
| Technical specifications: | |  |  | | --- | --- | | Power supply | 2 lithium batteries CR123A  **Batteries are not included in the product package.** | | Typical battery life | 1 – 2 years depending on the settings | | Power input if external power supply is used | 0.5 W | | Communication frequency | 868.1 MHz, protocol JA-100 | | Communication range | approx. 200 m (free terrain) | | RFID frequency | 125 kHz | | Dimensions | 120 x 130 x 30 mm | | Weight | 217 g | | Operating temperature range | -10 to +40 °C | | Average operating humidity | 75 % RH | | Environment | II. indoor, general in accordance with EN 50131-1 | | Classification | security class 2 (if set in F-Link) in accordance with EN 50131-1, EN 50131-3 | | It also meets the requirements of | ETSI EN 300 330, EN 50130-4, EN 55022, EN 60950-1, ETSI EN 301 489 | | Operation conditions | ČTÚ č. VO-R/10 (ERC REC 70-03) | |

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| **Innovation of KR sets**  Sales pitch and WEB basis: | All KR sets have been innovated such that a control panel is sold together with a radio module. The radio module has been changed from the JA-110R to the JA-111R. It is fitted in the factory and put in a holder in the control panel without plastic. It means that it does not have to be situated in the front cover and does not occupy so much space in the control panel. The innovation will be launched gradually for individual versions as supplied from the factory.    If the module needs to be installed outside the control panel, the electronic unit of the module can be removed from the control panel holder and installed in the PLV-JA111R plastic housing. |

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| i**nnovation of the JA-101Kxxx control panels**  Sales pitch and WEB basis: | A plastic housing for all the control panels of the JA-101Kxx type has been innovated. The innovation will be launched gradually for individual versions as supplied from the factory.    Substantial features of the innovation:   * Better attachment for the battery * More break-out openings for the introduction of cables * A higher position for the electronics unit and power supply module - cables can be passed under them * Better installation comfort (access to screws) * Slight increase in the plastic housing * Preparation for rear tamper sensors |

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| **JB-EXT-TH-R**  Sales pitch and WEB basis: | The wireless thermometer can be used in an outdoor environment or an environment with demanding climatic conditions. In the MyJABLOTRON application, a temperature chart can be plotted, temperature notifications or the switching of PGs on achievement of a certain temperature can be set |
| Supplementary WEB information: | The thermometer is designed for control panels of the JABLOTRON 100 system. It measures the internal temperature, or an external temperature sensor (JB-TS-PT1000) can be connected that has a measuring temperature range of -50 °C to +200 °C.  The product is supplied with power by two batteries with a total service life of up to 10 years. |
| Technical specifications: | |  |  | | --- | --- | | Operating temperature | -25 °C to +60 °C | | Operating humidity | 0 % - 100 % | | Power supply | 1 or 2 batteries CR123 | | Operation time with the internal temperature sensor | approx. 10 years with two batteries, approx. 5 years with one battery | | Operation time with an external temperature sensor | approx. 4 years with two batteries, approx. 2 years with one battery | | Communication frequency | 868.1 MHz | | Measured temperature range for the internal temperature sensor | -25 °C to +60 °C | | Measured temperature range for the external temperature sensor | 50 °C to +200 °C | | Ingress protection class | IP 53 | |

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| **JB-EXT-TH-B**  Sales pitch and WEB basis: | The bus thermometer can be used in an outdoor environment or an environment with demanding climatic conditions. In the MyJABLOTRON application, a temperature chart can be drawn, temperature notifications or the switching of PGs on achievement of a certain temperature can be set |
| Supplementary WEB information: | The thermometer is designed for control panels of the JABLOTRON 100 system. It measures the internal temperature, or an external temperature sensor (JB-TS-PT1000) can be connected that has a measuring temperature range of -50 °C to +200 °C. |
| Technical specifications: | |  |  | | --- | --- | | Operating temperature | -40 °C to +60 °C | | Operating humidity | 0 % - 100 % | | Power supply | 12 V from the bus | | Communication protocol | JA-100 | | Measured temperature range for the internal temperature sensor | -40 °C to +60 °C | | Measured temperature range for the external temperature sensor | 50 °C to +200 °C | | Ingress protection class | IP 53 | |

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| **JB-TS-PT1000**  Sales pitch and WEB basis: | Temperature sensor with a cable for the temperature measurement of gaseous, liquid and solid substances in the range of -50 °C to +200 °C. |
| Supplementary WEB information: | It can be used as an external temperature sensor for the products:  · JB-EXT-TH-R  · JB-EXT-TH-B |
| Technical specifications: | |  |  | | --- | --- | | Measuring range | 50 °C to +200 °C | | Ambient relative humidity | 10 % - 100 % | | Atmospheric pressure | 70 to 106 k PA | | Housing diameter | 4.6 ± 0.1 mm | | Housing length | 24 mm | | Electrical strength | 500 VAC according to EN 60730-1 | | Insulation resistance | > 200 MΩ at 500 VDC, 25° ± 3°C | | Type and length of the supply cable | Silicone, unshielded, 2 x 0.22 mm2; 3m | | Ingress protection class of the sensor | IP 68 (h 1m according to EN 60 529) | |

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| **F-LINK, J-Link, WEB-Link 1.6.0**  Sales pitch and WEB basis: | The F-Link, J-Link and WEB-Link settings programs have been expanded with the support of new and the innovated products: JA-111ST-A, JA-151ST-A, JB-150N-HEAD, JB-EXT-TH-R, JB-EXT-TH-B.  The updated versions of these programs also give a lot of improvements and new functions as e.g.:    ● Extended display of the activation and blocking of PGs  ● Added diagnostics information  ● Support of ATS classes for ARC setting  Extension of the communication types and other minor improvements |