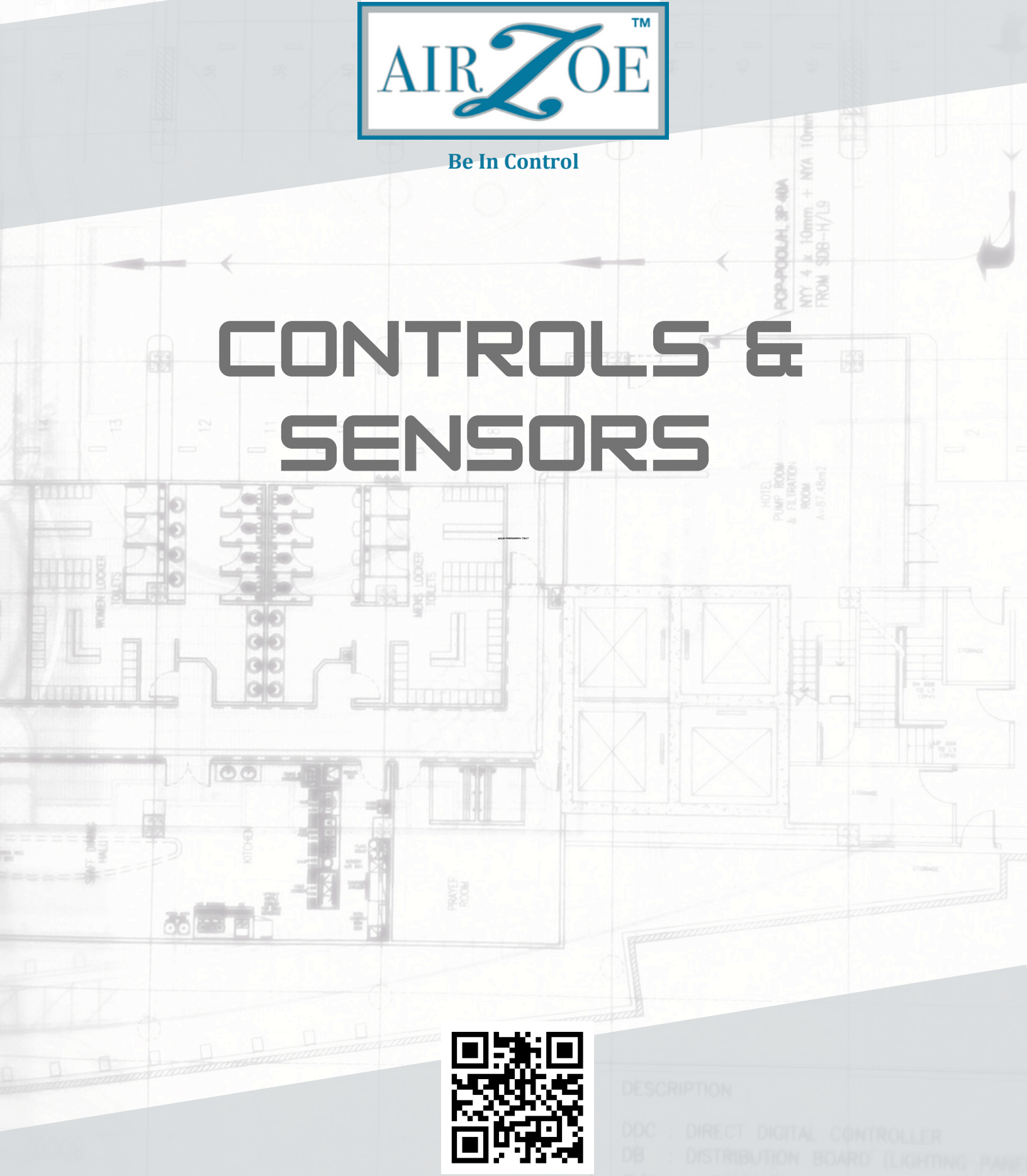
AIRZOE™

Be In Control

CONTROLS & SENSORS



Be In Control of your Air Flow and Air Quality with AirZoe!

AZC-MLP2 - Low Pressure Transmitter

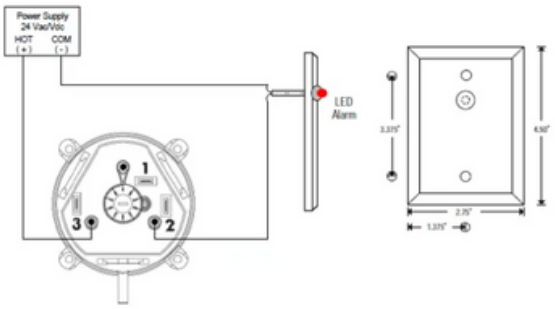
The **AZC-MLP2** Series Low Differential Pressure transmitters are designed for use in OEM or high density panel mounting applications. Key installation features include an integral 35 mm DIN rail mounting foot, vertically orientated wiring and pressure connections, and a pushbutton zero function conveniently located on the front cover. The AZC-MLP2 offers two options for DIN Rail mounting; rear and side mount. The rear DIN rail mount is integrated into the enclosure. The side mount adapter is included with the package, and can easily be attached. The side mount offers a much thinner profile for higher density panels. The AZC-MLP2 incorporates a high accuracy, piezoresistive, silicon sensing element which senses differential pressure and provides a linear 4 to 20 mA or DC voltage output equal to the specified pressure range. This technology reduces warmup shift while also reducing the effect of package stress for increased long term stability. In addition, the unit contains a de-pluggable terminal block that can be removed for ease of installation. This unit must be ordered with a single uni or bi-directional pressure range and output signal from +/- 0.1" of water column to a maximum pressure of +/- 40" of water column depending on your application. All AZC-MLP2 Series pressure transmitters are calibrated using NIST Certified equipment. Optional 3 or 5 point NIST Certificates are available and must be specified when placing your order.

AZC-MLPM - Differential Pressure Transmitter

Differential Pressure for Tight Installation The AZC-MPLM Series Pressure Transmitters incorporate a durable piezoresistive, silicon micro-machined sensing element to enable very low pressure measurements. Pushbutton zero and span calibration features provide easy field adjustability and the compact size of the AZC-MPLM lends itself to panel mount or tight installations. In addition, the wiring terminal block is removable for ease of installation. Pressure ranges are either unidirectional or bidirectional and go all the way up to 30 inches of water column. The AZC-MPLM Series is calibrated using NIST certified references and the standard outputs are 4 to 20 mA, 0 to 5 VDC, 1 to 6 VDC, or 0 to 10 VDC. The output circuitry is designed to limit the current output at 21 mA to protect the inputs of your Building Management System and to avoid alarms if the signal goes out of the preconfigured range. .

AZ-FM Filter Monitor

The **AZ-FM-(A, B or C)** lets you know that your air system static pressure has increased and gives a visual LED signal. It comes complete with selected adjustable pressure ranges, air sensing tubes / Wall Mount LED Indicator.
Ranges: A - .08 to 1.2 " WC, B - .2 to 2" WC or C - 2 to 10" WC,
Power Supply: 24 VAC/VDC

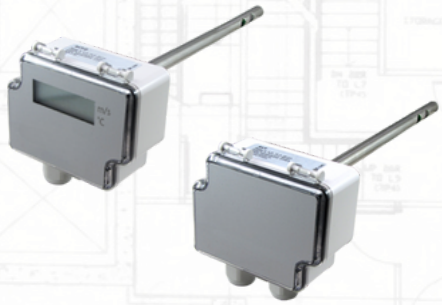


AZC-GFS - Air Pressure Differential Switch

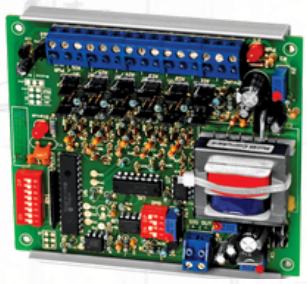
The differential pressure switch housing unit contains a diaphragm, a snap-acting SPDT switch, and a range adjustment knob with increments. The sample connections located on the side accept 6.35mm (0.25") OD tubing. There are 3 pressure ranges available. 2 pick up tubes and 2m (6.56') of PVC tubing are included. The enclosure cover guards against accidental contact with the live switch terminal screws and the setpoint adjustment knob with indication.

AZC-AVDT - Air Velocity Transmitter

The **AZC-AVDT** series of air velocity transmitters is engineered for building automation in the HVAC/R industry. The AZC-AVDT measures air velocity and temperature, with field selectable ranges and output options in a single device. Designed with a duct mount probe and adjustable collar suitable for round or rectangular ducts. Options include a relay, and a backlit LCD available in Metric or Imperial measurements.



AZC-6R-XXX
6 Analog/Digital Inputs to 1 Analog Output

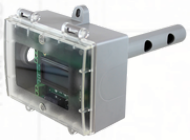


The **AZC-6R** are a microprocessor controlled interface designed to provide maximum flexibility with a minimum of cost. With a variety of standard inputs, the AZC-6R provides the user with the ability to interface several devices to a single analog output. The AZC-6R can average two to six inputs, output the highest of two to six inputs, output the lowest of two to six inputs, output the sum of 2 inputs, or output the difference of two inputs. The AZC-6R also accepts up to 6 digital inputs (binary sequence) and outputs a proportional analog signal. PRODUCT OVERVIEW: Analog Input, Analog Output, Six Analog Average, HI/LO, Summing, Difference, Average, Binary

AZC-TZ200- Room Temperature Sensor

- Backlight LCD
- Icon driven information
- Local occupancy override
- Micro USB for access to the BACnet MS/TP network
- Optional models with local PIR, RH & CO2 sensing

AZC-CD2DT DUCT CARBON DIOXIDE TRANSMITTER



The duct CO2 transmitter uses a highly accurate and reliable non-dispersive infrared (NDIR) sensor in an attractive enclosure with a gasketed, hinged cover for duct applications to monitor CO2 levels. The sensor uses dual wavelength optics and LTA (long term adjustment) signal processing technology to deliver industry leading long term accuracy and reliability. These features ensure optimum measurement stability for continual monitoring of either supply or return air measuring. Optional features include a resistive temperature sensor output (with LCD display of temperature in either °C or °F), a control relay with programmable setpoint, hysteresis and time delay, and either a conduit or cable gland connection point.

AZC-AIR41 ROOM AIR QUALITY TRANSMITTER

The **AZC-AIR41** Indoor Air Quality Sensor uses an advanced MEMS metal oxide semiconductor sensor to detect poor air quality. The sensor reacts quickly to detect a broad range of VOCs such as smoke, cooking odors, bio-effluence, outdoor pollutants and from human activities. The sensor captures all VOC emissions that are completely invisible to CO2 sensors. The AIR4 provides a linear analog signal output of 0-5 or 0-10 Vdc for connection to a building automation system as well as an analog stepped output of 0-10Vdc. Optional features such as a temperature sensor, manual override and adjustable relay output are available.

AZS-IAQ – Total Indoor Air Quality Sensor

The **AZS-IAQ** Total Indoor Air Quality Sensor will monitor up to 6 parameters that include Particulate Matter (PM1, PM2.5, PM4 & PM10), Volatile Organic Compounds, Carbon Dioxide, Formaldehyde, Humidity & Temperature and provide either a BACnet® or Modbus signal for connection to a building automation system. The IAQ features field-replaceable sensor modules, a full-color capacitive touch screen LCD that's user-configurable, and a configurable alarm relay output. All this is housed in a new modern, quick-mount enclosure. The IAQ facilitates compliance with ASHRAE 62.1 standard for air quality and contributes toward satisfying Feature A08 and T06 under the WELL Building Standard®.

AZS-PMR Wall Mount

The AZS-PMR Particulate Matter Sensor uses an optical sensor based on laser scattering principles and features innovative contamination resistance technology to perform highly accurate and reliable PM measurements. With a continuous-operation lifetime of more than 8 years, the sensor will provide long-term reliability and high resolution particle size binning for the detection of environmental dust and other particles.

AZS-PMD Duct Mount Particulate Matter Sensors

The AZS-PMD Duct Particulate Matter Sensor uses an optical sensor based on laser scattering principles and features innovative contamination resistance technology to perform highly accurate and reliable PM measurements. The replaceable sensor measures particles of PM1.0, PM2.5, PM4.0, or PM10, with a continuous operation lifetime of more than 8 years. The sensor will provide long-term reliability and high resolution particle size binning for the detection of environmental dust and other particles. A hinged and gasketed Polycarbonate enclosure is included for ease of installation.

AZC-CMD5B5 – Duct Carbon Monoxide Monitor with Analog or BACnet/Modbus

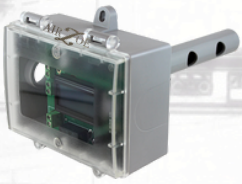
The AZC-CMD5B5 Series carbon monoxide detector uses an electrochemical sensor to monitor the carbon monoxide level and outputs a field-selectable 4-20 mA , 0-5 or 0-10 Vdc. The sensing range and output may be scaled to either 100, 150, 300, 400 or 500 ppm via the on-board menu. A front panel LCD is standard to ensure easy setup and operation. Other standard features include a back light for the LCD, a front panel test switch, status indication and an alarm buzzer. The test function may also be controlled remotely with a digital input signal. The on-board menu allows local configuration of all device parameters. Optional features include one or two alarm relays and/or RS-485 network communication configured for either ModBus or BACnet protocol.

AZC-CD2R ROOM CARBON DIOXIDE DETECTOR

The room CO2 transmitter device uses a highly accurate and reliable nondispersive infrared (NDIR) sensor in an attractive, low profile enclosure for room applications to monitor CO2 levels. The sensor uses dual wavelength optics and LTA (long term adjustment) signal processing technology to deliver industry leading long-term accuracy and reliability. These technology features ensure optimum measurement stability for both periodic and constant occupancy applications, so the device is equally suitable for a classroom or a hospital room. Standard features include a field selectable output signal of either 4-20 mA, 0-5 Vdc or 0-10 Vdc for the highest versatility, programmable CO2 measurement span, a backlit alpha-numeric LCD and easy menu operation for configuration. Optional features include a resistive temperature sensor output (with LCD display of temperature in either °C or °F), 2 button setpoint adjustment, a control relay with programmable setpoint, hysteresis and time delay, and a dry-contact override switch.

AZS-AQR Wall Mount VOC

The **AZS-AQR** , Air Quality Sensor uses an advanced MEMS metal oxide semiconductor sensor to detect poor air quality. The sensor reacts quickly to detect a broad range of VOCs such as smoke, cooking odors, bio-effluence, outdoor pollutants and from human activities. The sensor captures all VOC emissions that are completely invisible to CO2 sensors. Extensive studies and research have shown that there is direct correlation between CO2 levels and VOC levels and the Air Quality Sensor has been calibrated to provide a "CO2-equivalent" ppm measurement value, thereby achieving full compatibility to existing HVAC CO2 ventilation standards. The CO2-equivalent sensor output value was developed over a period of several years to allow the AZS-AQR sensor to be optimized for Demand Controlled Ventilation applications. The long-term AQR sensor performance was monitored in various locations including offices, cafeterias, schools, production facilities, apartments and homes in direct comparison to infrared-absorption CO2 sensors. Optional relay output with adjustable setpoint.



AZS-AQD Duct Mount Sensors

The duct Indoor Air Quality Sensor uses an advanced MEMS metal oxide semiconductor sensor to detect poor air quality. The sensor reacts quickly to detect a broad range of VOCs such as smoke, cooking odors, bio-effluence, outdoor pollutants and from human activities. The sensor captures all VOC emissions that are completely invisible to CO2 sensors. A weatherproof Polycarbonate enclosure is provided for ease of installation. Optional relay output.

AZC-GH-XXX GREENHOUSE CONTROL

The AZC-GH Series Greenhouse/Horticulture sensor is designed for a greenhouse or indoor grow facility to monitor and allow control for optimum plant growing conditions. The AZC-GH Series is available in 2 models; Temperature & Humidity or Temperature, Humidity & Carbon Dioxide. The GH Series utilizes a highly accurate and reliable dual-channel, non-dispersive infrared (NDIR) sensor to monitor CO2, a precision thermistor to monitor temperature and a thermoset polymer based capacitance sensor to measure humidity levels. All sensors are encapsulated in filtered sensor pods that are field replaceable. Features include an LCD for configuration and visual indication, various output signal types, optional relays for alarm indication. An IP65 rated enclosure that can be either wall mounted on suspend from the ceiling is provided to protect against moisture penetration.

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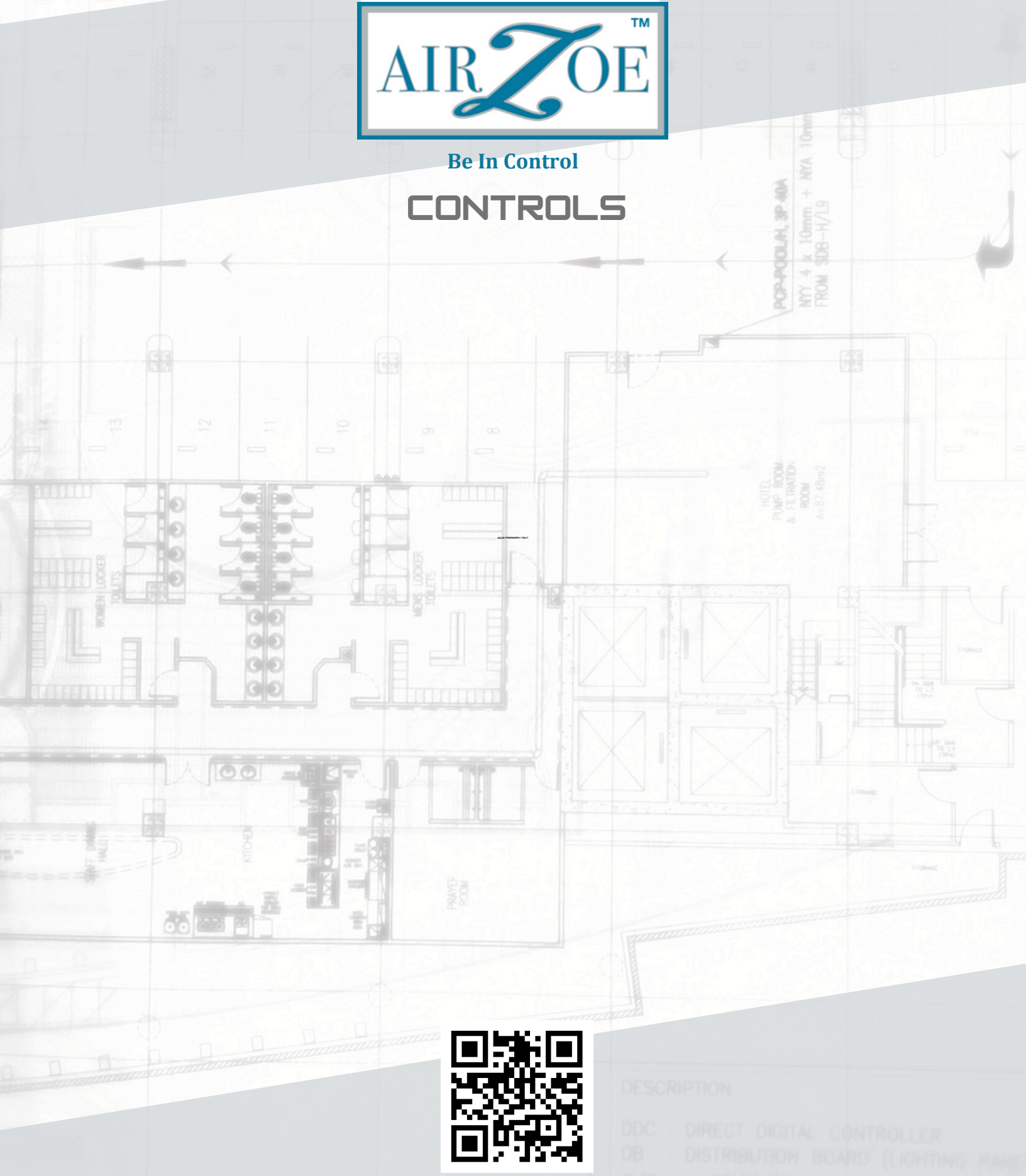

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