

Equipment Impacted: Jam Sensors (single function only) located on bulk load conveyance beds, all models, all OEM's.

When Does this Change Occur: Immediately

Issue Description: A PCA was released last year to upgrade jam sensors on bulk loaded conveyance at AIR, ARS, and Sort Center buildings. The general scope requested to upgrade to Q5X JAMAZN Sensors (Model #Q5XKLAF2000-Q8, APN# 41612) and order the corresponding Q5X Mounting Bracket (APN# 41613). The Q5X sensor is purposely used for 24V DC applications. In many cases, sites contained an AC input module such as Figure 1 below, and therefore had existing 120V AC jam sensors to replace.

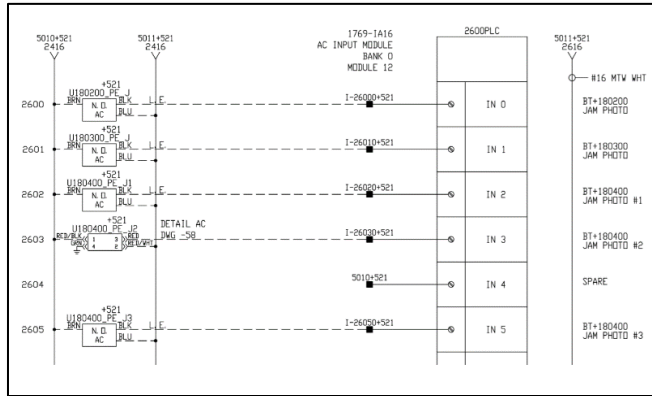


Figure 1: 120V AC Input Module Example

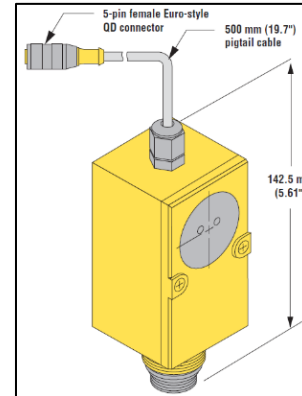


Figure 2: SPS101SQP

What's Changing:

Banner offers a DC Sensor Power Supply (Figure 2) which converts 120 AC line voltage to low voltage DC in order to power the Q5X sensor. The base model number is SPS101SQP and consists of 2 other variations (-ACAB & -ACSK). The wiring diagram variations are compared in Figure 3 below. Table 1 describes the specific applications for each variation from Banner.

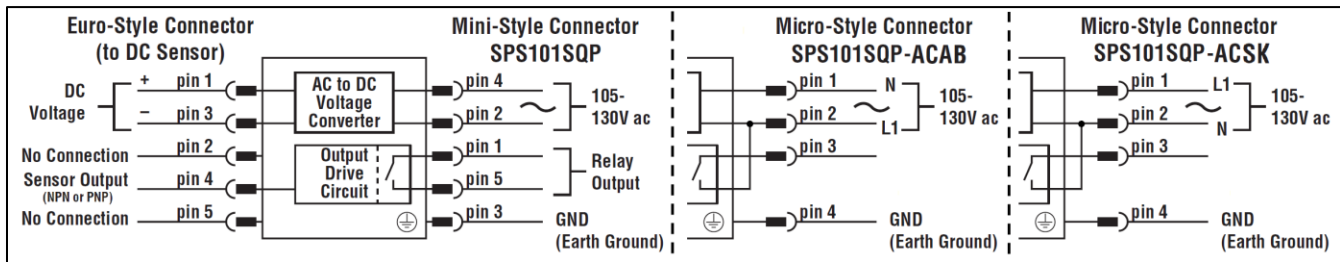


Figure 3: DC Power Supply Wiring Diagram Variations

Banner Model	APN	Application
SPS101SQP-ACSK	58991	-SK designates SICK brand sensor replacements
SPS101SQP-ACAB	N/A	-AB designates Allen Bradley brand sensor replacements
SPS101SQP	N/A	Requires connector model number, MQAC-415, which utilizes pigtail leads for versatile applications

Table 1: Banner Model Applications

What Actions are Required for Sites?

Contact Banner to order the applicable DC Sensor Power Supply if you are upgrading 120V AC-powered jam sensors.

Sites Impacted:

Air: KAFW, KBWI, KCVG, KILN, KLAL, KRFD, KRIV, & KSBD

AR Sortable: ABQ1, ACY1, AGS1, AKC1, ATL2, AUS2, AUS3, BDL2, BDL3, BDL4, BF14, BFL1, BHM1, BOI2, BOS3, BWI2, CLE2, CLE3, CLT4, CMH1, CMH4, DAL3, DCA1, DEN3, DEN4, DET3, DFW7, DSM5, DTW1, ELP1, EWR4, EWR9, FAT1, FTW6, GEG1, GRR1, GYR1, HOU2, HOU6, IGQ1, JAN1, JAX2, JFK8, LAS7, LGA9, LGB3, LGB7, LIT1, MCO1, MDW7, MEM4, MIA1, MKC6, MKE1, MKE2, MQY1, MSP1, MTN1, OAK4, OKC1, OMA2, ORDS, ORF3, OXR1, PCW1, PDX9, PSP1, RDU1, SAN3, SAT2, SLC1, SMF1, STL8, SYR1, TPA1, TPA4, TUL2, TUS2, VGT1, YEG2, YHM1, YOW3, & YYZ4

Sort Centers: ABQ5, ACY5, ACY8, ACY9, AFW5, AGS5, ATL6, AUS5, AZA5, AZA9, BDL5, BDU5, BF15, BF18, BNA5, BNA8, BNA9, BOI5, BOS4, BOSS, BTR9, BUF5, BWI5, CDW5, CLE5, CLT5, CLT9, CMH5, CNOS5, COS5, CVG5, CVG9, DAL9, DEN5, DFW8, DSM9, DTW5, DTW8, DTW9, EUG5, EWR5, EWR8, FAT5, HFD5, HOU1, HOU5, IAH5, JAX5, JAX9, LASS, LAX5, LBB5, LDJ5, LGA5, LGB5, LUK5, MC15, MCO5, MCO9, MDT5, MDW5, MEM5, MGE5, MGE8, MGE9, MIA2, MIA5, MKE5, MKE6, MOB5, MQJ5, MQJ9, MSP5, MTN2, MTN5, MTN6, MTN8, MTN9, OAK5, OKC5, ONT1, ONT5, ORD9, OWD5, OWD9, PDX5, PIT5, PIT9, PNE5, RBD5, RDU5, RIC5, RNT9, RSW5, SAC5, SAT5, SAT9, SBD5, SCK9, SLC9, SMF5, STL5, STL9, TCY5, TCY9, TUL5, TUS5, VGT5, YHM5, YHM9, YUL5, YUL9, & YVR7

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