

Eaton

One Tuscarawas Road
Beaver, PA 15009
Telephone: (724) 773-1319



AUGUST 28, 2002

TO: OUR NAVY BREAKER CUSTOMERS

SUBJECT: AQB-A103 CONTINUOUS QUALITY IMPROVEMENT
NEW PERFORMANCE FEATURES IMPLEMENTED

SUMMARY: WE ARE ABLE TO OFFER CERTAIN NEW AND IMPROVED PERFORMANCE FEATURES IN OUR ELECTRONIC TRIP AQB-A103 NAVY BREAKER BY IMPLEMENTING MINOR CHANGES TO THE PRINTED CIRCUIT BOARD AND ITS MICRO-CHIP. EXISTING FORM FIT AND FUNCTION INTERCHANGEABILITY IS OF COURSE FULLY MAINTAINED. THE NEW FEATURES ARE ADDITIVE TO ALL THE PREVIOUS FEATURES OFFERED. NO MANUFACTURING PART NUMBER CHANGES ARE NECESSARY FOR THE SOLD PRODUCTS. THIS IS AN EXCELLENT EXAMPLE OF THE POWER AND FLEXIBILITY OF ELECTRONIC TRIP UNITS AND OF EATON TECHNOLOGY. THE DETAILS ARE AS FOLLOWS:

A.) THE ADJUSTABLE CONTINUOUS CURRENT SETTING (AMPS, CCS) SWITCH HAS BEEN CHANGED FROM A 5-POSITION SWITCH TO A 6-POSITION SWITCH, ALLOWING US TO ADD A 75 AMP CCS IN THE HIGHER RATED FRAME (40, 50, 60, 75, 80, 100.) THE LOWER RATED FRAME THEN ADDS AN 18.75 AMP CCS (10, 12.5, 15, 18.75, 20, 25.) WE NOW OFFER 12 CONTINUOUS CURRENT SETTINGS.

B.) THE ADJUSTABLE SHORT DELAY PICKUP (x CCS) SWITCH HAS BEEN CHANGED FROM A 5-POSITION SWITCH TO AN 8-POSITION SWITCH, ALLOWING US TO ADD THREE ADDITIONAL SET POINTS (2x, 3x, 5x, 7x, 9x, 10x, 13x, 14x.)

C.) THE ADJUSTABLE SHORT DELAY TIME BAND SWITCH HAS BEEN CHANGED FROM A 5-POSITION SWITCH TO AN 8-POSITION SWITCH, ALLOWING US TO ADD THREE NEW FLAT RESPONSE CURVES AT 100 ms, 200 ms and 300 ms. THE FORMER MIN (INSTANTANEOUS) AND BANDS 1, 2, 3 & MAX - I²T CURVES STILL REMAIN.

D.) THE A103 NOW FEATURES TRUE RMS SENSING, WHICH WORKS ON ANY WAVEFORM SHAPE, IS MORE ACCURATE, AND IS LESS SENSITIVE TO NUISANCE TRIPPING.

GO NAVY!

Robert N. Leerberg

PRODUCT LINE MANAGER
NAVY/MARINE CIRCUIT BREAKERS
EATON