

# OMRON Technical Note

## Omron\_S8VK-X IAG's

Contents:

S8VK\_X\_Monitor\_1280\_800:

Monitor/Reset Screen for 1280 x 800 resolution for 12.1 and 15.4" displays

S8VK\_X\_Monitor\_800\_480:

Monitor/Reset Screen for 800 x 480 resolution for 9" and 7" displays

Purpose: To be used with the S8VK-X power supplies using EtherNet/IP connection to a NJ or NX PLC along with NA type HMI.

Input/output variables:

Name	Data Type	Description	Network Publish
From_S8VK_X	sFrom_S8VK_X	Structure	Input
Peak_Hold_Current_Reset	BOOL	Bit	Output

Structure:

Name	Base Type	Offset Type	Offset Byte
sFrom_S8VK_X	STRUCT	User	
Status	UINT		0
Output_Voltage_Measured	UINT		2
Output_Current_Measured	UINT		4
Peak_Hold_Current_Measured	UINT		6
Years_Until_Replacement	UINT		8
Percentage_Until_Replacement	UINT		10
Total_Run_Time	DWORD		12
Continuous_Run_Time	DWORD		16

Status:

Bit position	Description
0	Memory Error
1	Product overheat abnormality
2	Current measurement error
3	Voltage measurement error
4	Overheating alarm
5	Reserved
6	Reserved
7	Reserved

8	Years until the replacement Reached Full
9	Years until the replacement reached HLF
10	Reserved
11	Reserved
12	Reserved
13	Reserved
14	Reserved
15	Reserved
16	Reserved

Notes:

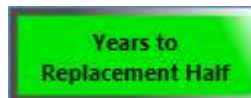
EtherNet/IP address on the S8VK-X is defaulted as 192.168.250.20. This can be modified using Network Configurator.

If multiple S8VK-X's are used, provide different EtherNet/IP addresses for each item. The name for the variable can be changed e.g. From\_S8VK\_X\_UNT\_1, From\_S8VK\_X\_UNT\_2... Keep the structure the same for each device of sFrom\_S8VK\_X.

When *FULL* is indicated on the display of the S8VK-X the IAG will show the status below:



After approx. one month the unit will then start to monitor the deterioration of the electrolytic capacitor and show *HLF* on the display. During this time the IAG will show the status below:



When the years until replacement reaches 5 years or less depending on the application the IAG will show the status below:

