

ecom-AK

Burner Error Diagnosis Made Easy!



Wireless Communication



All Inclusive



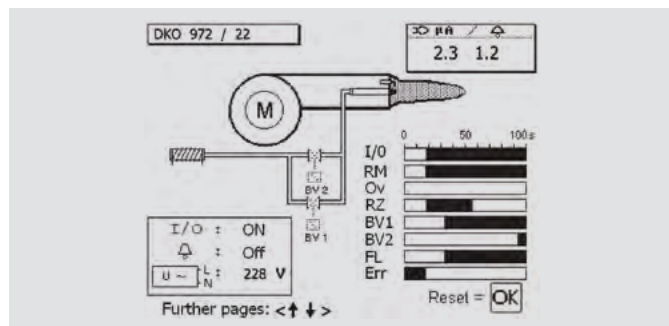
ecom AK: Read-Out Head for Digital Firing Automats.

The manufacturers of firing automats Honeywell-Satronic and Siemens-Landis & Staefa increasingly move towards digital technology. Analogue firing automats at combustion plants get gradually replaced by digital models. The automats have an information system monitored by a microprocessor which shows the burner's most important processes as blink codes at the trouble-shooting button. Information like operation stand, disturbance source, error history, flame signal and operation voltage are retrievable.

With the read-out head ecom-AK all these information can be accessed and illustrated on the integral graphic display. Identifying the correct disturbance cause becomes just that easy.

1. After firing automat type identification, the operation **stand of the burner** is illustrated **graphically**. Easy control of the burner's operation course.
2. The flame signal **is displayed and compared with the minimal value**. A time-consuming wiring at the monitoring device base is made herewith superfluous.
3. **The difference** between **flame recognition** and **safety time end** is displayed. This is a great hint to evaluate whether the flame immediately forms or with delay (disturbance risk).
4. The **current disturbance source** as well as 2 (resp. 5 by Siemens products) **previous disturbances** are displayed as a text. This way the error can quickly be circled, avoiding a time-consuming error tracking.
5. The disturbance sources are statistically recorded and grouped. Besides the **sum of all disturbances** also the **frequency of disturbance sources** like „No flame end TSA“ are listed. Conclusions on critical components or adjustments can be drawn out of this data.
6. The **number of burner starts** gives information about the plant capacity. Too frequent starts per heating period outline an over-sizing of the plant.
7. All relevant monitoring times of the firing automats are retrievable.

Error history			
Number of startups total		677	
Service counter actual		142	
No error			
No flame at the end of safty time	004 0.0 µA	9:23 min 227 V	
Flame signal during straylight check	001 2.2 µA	12 sec 225 V	
Total	:	46	
Straylight	:	22	
Safty time	:	9	
Loss of flame	:	17	
FT/LW	:	0	



Automat
DKO 972 / 22

2.3µA 231V

2.2µA IST
1.2µA MIN

Reserve TSA (Ist)
3.9 sek

Current error
Flame signal during straylight check !

Total
Anzahl Fehler 39

Sicherheitszeit
Anzahl Fehler 7

Start-ups counter
664

List of identifiable firing automats:

- DKO 970, DKO 972, DKO 974, DKO 976, DKO 992, DKW 972
- DKW 976
- DMO 976
- DIO 974, DIO 976
- DKG 970, DKG 972, DLG 974
- DLG 976
- DMG 970, DMG 971, DMG 972, DMG 973, DMG 991
- DVI 980, DVI 982
- SH 11x, SH 21x, SH 12x, SH 23x, SG 11x, SG 51x, SG 13x
- DKO 970-N, DKO 972-N, DKO 974-N, DKO 976-N, DKO 992-N, DKO 996-N
- DKW 972-N, DKW 976-N
- DMO 976-N
- DIO 974-N, DIO 976-N
- DKG 970-N, DKG 972-N
- DLG 974-N, DLG 976-N
- DMG 970-N, DMG 971-N, DMG 972-N, DMG 973-N, DMG 991-N
- DVI 980-N, DVI 982-N, SH 11x-N, SH 21x-N, SH 12x-N, SH 23x-N, SG 11x-N, SG 51x-N, SG 13x-N



Item no.	Description
102127	ecom-AK, read-out head for firing automats, incl. textile storage pouch with belt loop (approx. 88 x 41 x 32 mm)
102128	ecom-AK, read-out head for firing automats, incl. textile storage pouch with belt loop. Wireless data transfer AK -> model of ecom-J2KNpro range
10198	Data cable AK-> PC, length approx. 2m
12038	Data cable AK-> model of ecom-EN2-range, length approx. 2m