



ND 872/874/876 ND Power Distribution System **ND 873/875/877 ND Power Distribution System,** **Including Cables**

INTRODUCTION

It is a well-known fact that the quality of the power feeding a data machine system is of essential significance for its operation.

In addition to normal variations in power output, the increasing number of power consumers using thyristors and similar noise-producing equipment increases the problems. Difficulties may also arise from connections and disconnections to the high voltage lines, as well as from lightning.

Norsk Data has introduced completely new power distribution systems, which continually monitor the power lines and suppress as much as 95% of all disturbances which may arise there.

PRODUCT DESCRIPTION

In order to improve the quality of the voltage, Norsk Data's new systems reduce noise levels to a minimum. It is now possible to obtain almost perfect three-phase voltage, containing a minimum of disturbances.

The systems use a special type of isolation transformer, combined with a metal oxide varistor. Even extreme overvoltages are reduced to non-dangerous levels.

ND 872/874/876 also allow for automatic reconnection after a power disruption. In addition, the systems also monitor the data room environment and grounding problems.

OPERATION AND TECHNICAL SPECIFICATIONS

Power connection:

Connection to outlet type CUB xxx-x (see below) or junction box in datarom.

Input: Three phase 230 or 380/400/415 with neutral and earth.

Output: Three phase 380/400/415 and 220/230/240 with neutral.

The ultra-isolation transformers are designed for high noise supression.

Common-mode: 60 dB from 1 KHz to 1 MHz.

Transfer-mode: 60 dB from 100 KHz to 1 MHz.

Varistors: Max. surge current up to 20,000 amp.

Automatic restart after power-fail.

Power on/off with key-switch and lamp.

Sequencing in power on.

Connection for: Emergency-breaker, room-thermostat, 26° (fore-warning) and 28°C and external alarm.

Alarm-function: Visible and accoustic for phase error and room-temperature, will cause power off.

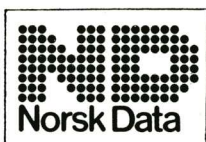
Display-function: Volt = Phase-neutral and phase-phase, amperes, Hz and GND current up to 500 mA.

Led display: KVA in percent.

PHYSICAL CHARACTERISTICS

ND 872 (873) ND 874 (875) ND 876 (877)

HeightxWidthxDepth in cm	97x63x58	97x63x58	115x65x86
Service space front and side	100/60	100/60	100/60
Weight in kg	200	225	330
Operating temp. in centigrades	0 to 40	0 to 40	0 to 40
Main fuse 230/380/415	25/16/13	50/32/25	100/63/50
Input/outlet types:			
220/240 volt	CUB 332-9	CUB 363-9	CUB 3125-9
380/415 volt	CUB 432-6	CUB 463-6	CUB 463-6
KVA	10	21	40.5
Heat loss in KCAL	344	516	774
Number of sequences	3	5	7
Number of fuses 25 amp.	3	7	13
Number of fuses 16 amp.	7	13	17



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NOTE: NORSK DATA reserves the right to change specifications without notice