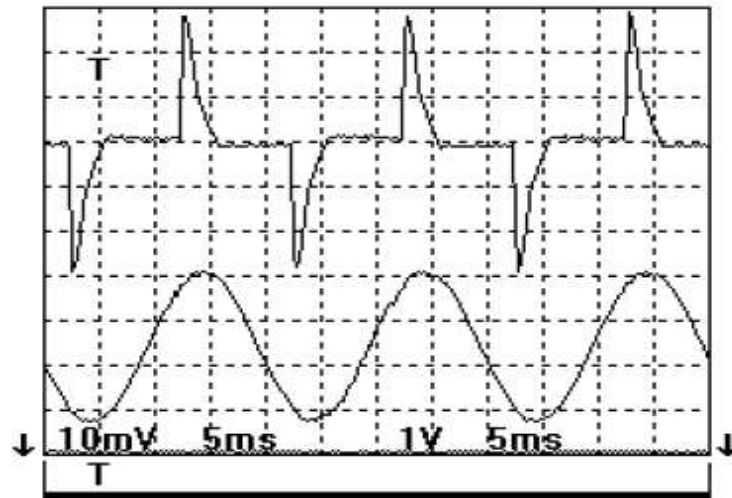
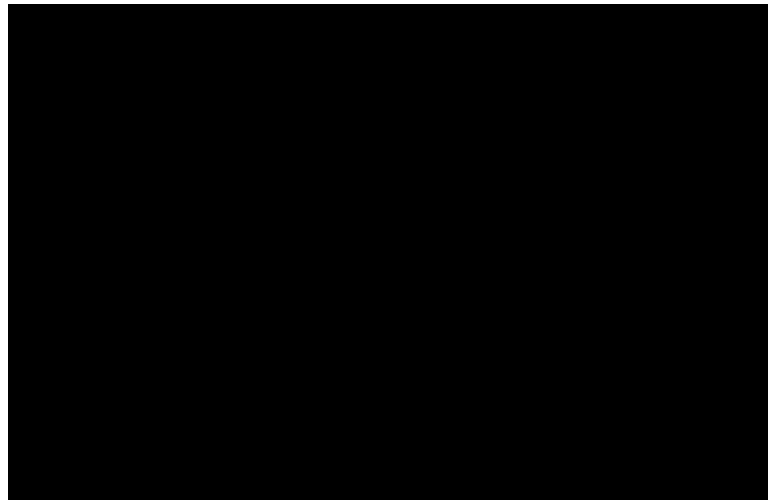


Inrush and steady state currents of some domestic loads

14 W Compact Fluorescent Lamp



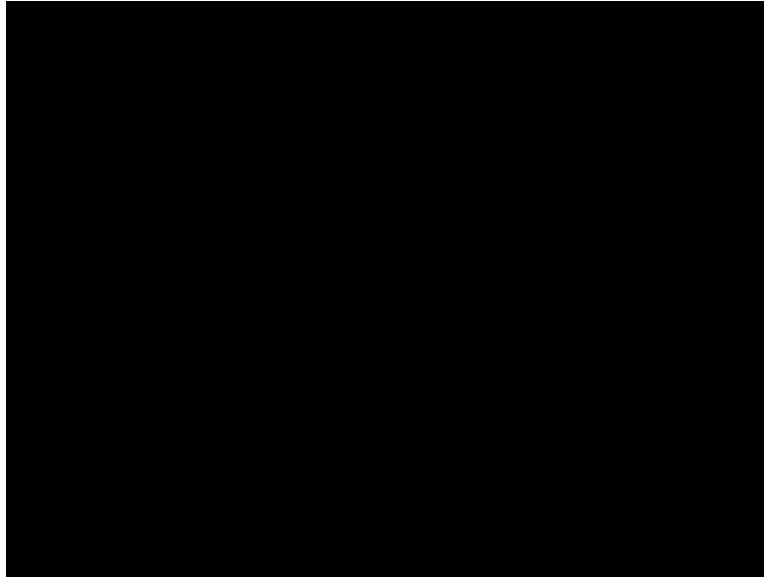
Steady-state current
Upper trace: Current (80 mA/div)
Lower trace: Voltage (200 V/div)



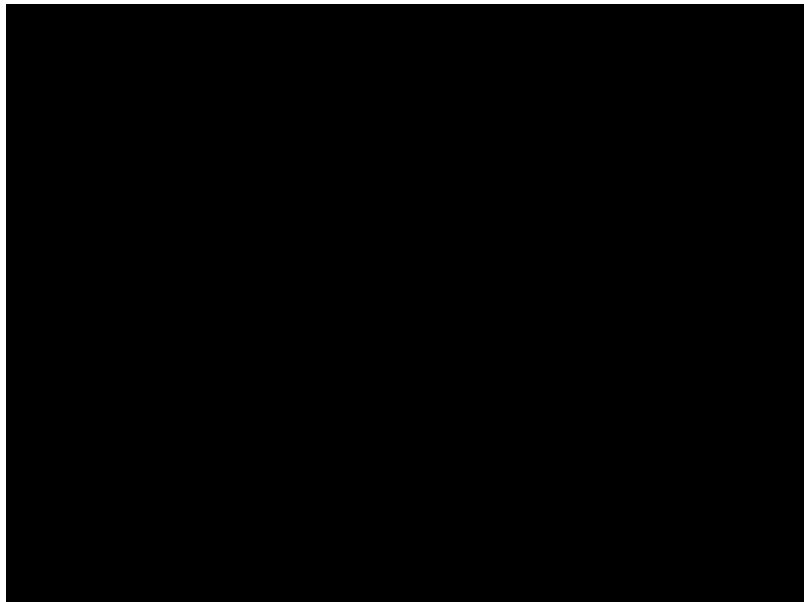
The switch-on transient
Upper trace: Current (160 mA/div)
Lower trace: Voltage (200 V/div)

Inrush and steady state currents of some domestic loads

60W Electric Bulb



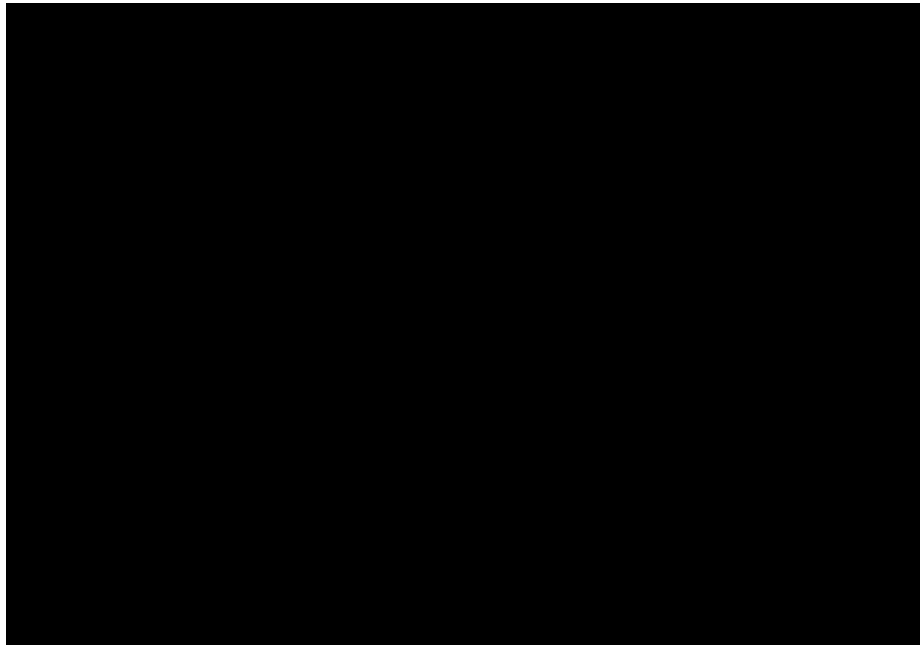
Switch-on transient
Upper trace: Current (400 mA/div)
Lower trace: Voltage (200 V/div)



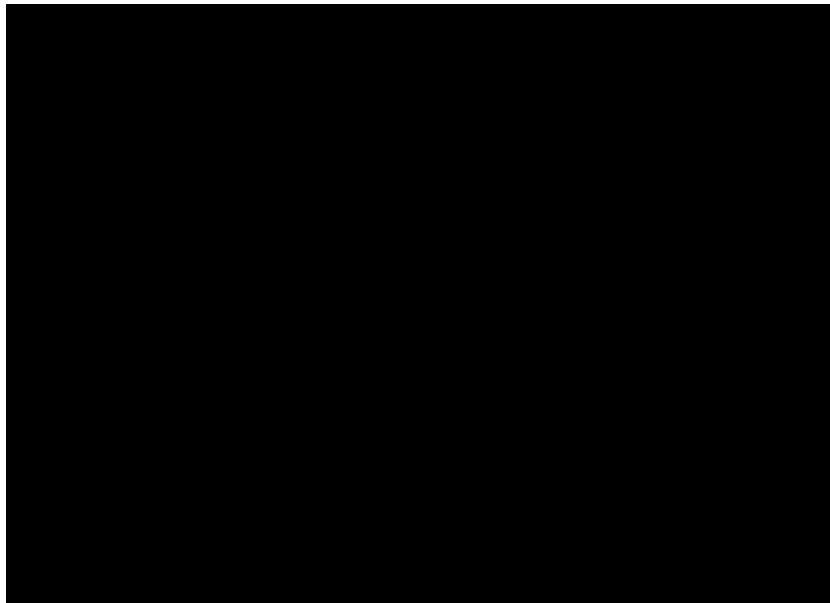
Switch-on transient
Upper trace: Current (400 mA/div)
Lower trace: Voltage (200 V/div)

Inrush and steady state currents of some domestic loads

Hand-held Drill Machine



Switch-on transient
Upper trace: Current (1.6 A/div)
Lower trace: Voltage (200 V/div)

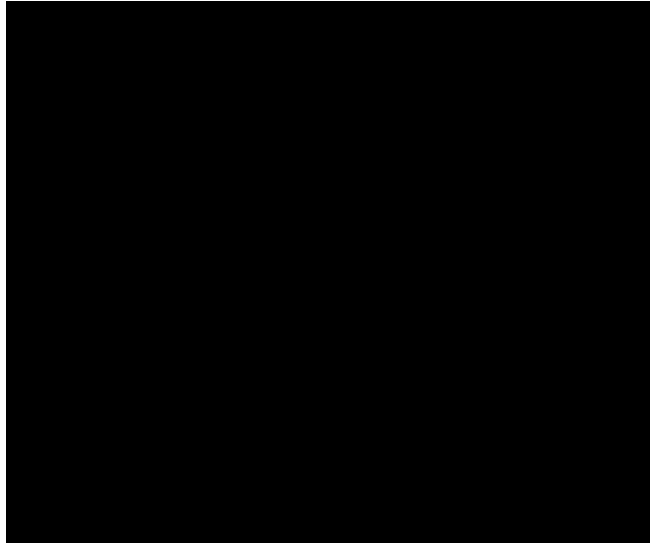


Steady state current
Upper trace: Current (0.8 A/div)
Lower trace: Voltage (200 V/div)

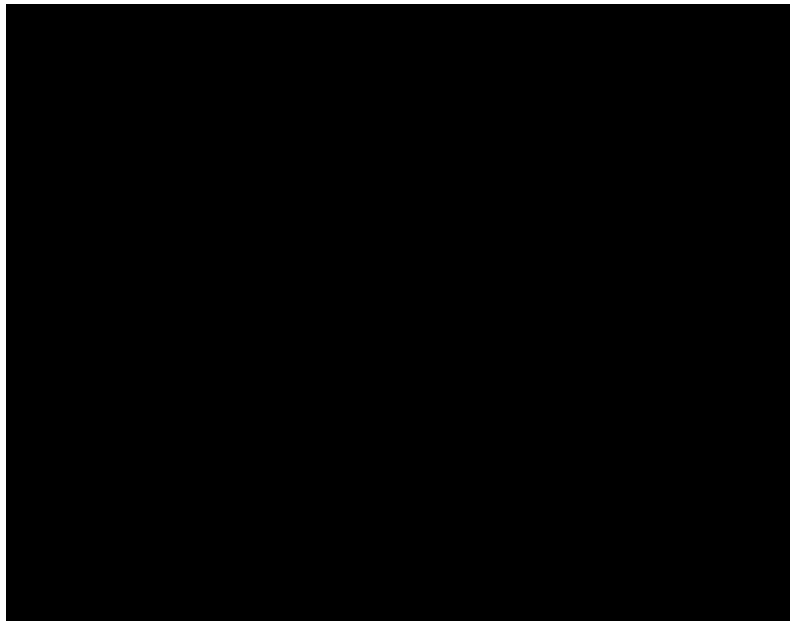
Fig. 3.2

Inrush and steady state currents of some domestic loads

Television Set (26")



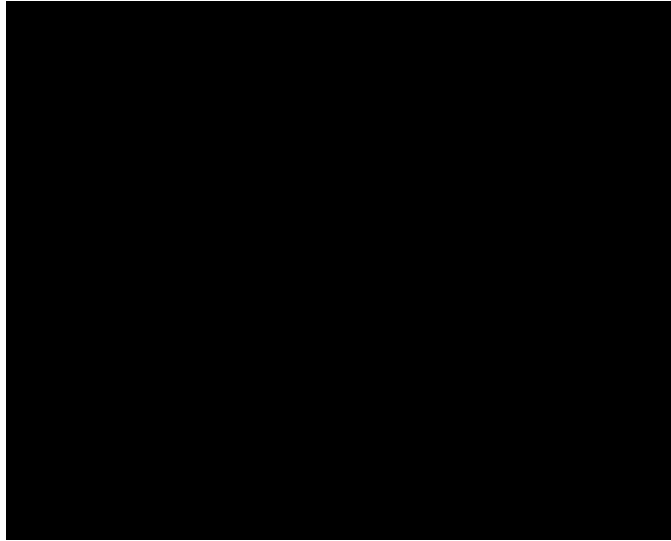
Steady state current
Upper trace: Current (400 mA/div)
Lower trace: Voltage (200 V/div)



Switch-on transient
Upper trace: Current (800 mA/div)
Lower trace: Voltage (200 V/div)

Inrush and steady state currents of some domestic loads

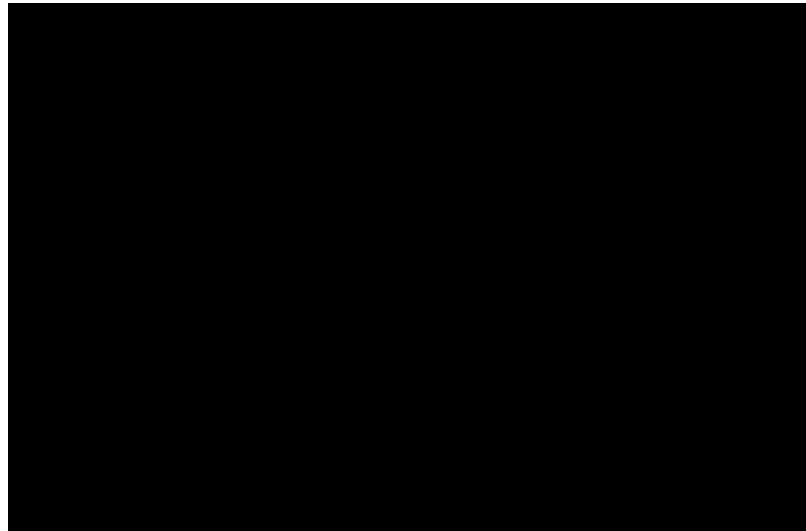
60 W Ceiling Fan



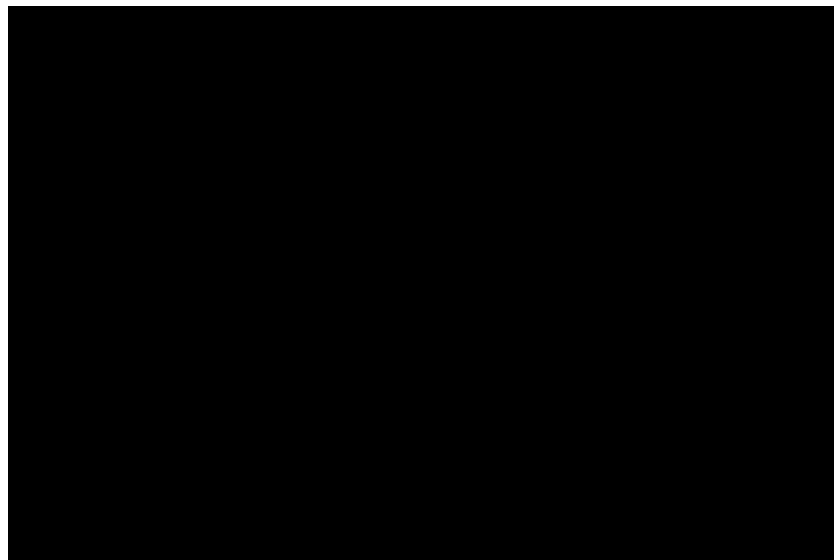
Switch-on transient
Upper trace: Current (160 mA/div)
Lower trace: Voltage (200 V/div)

Inrush and steady state currents of some domestic loads

ATX Personal Computer SMPS (Wipro)



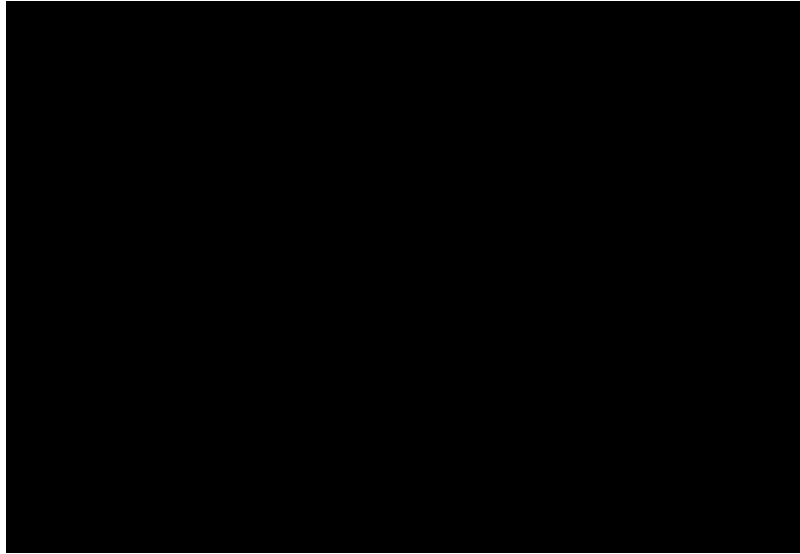
Switch-on transient without monitor
Upper trace: Current (800 mA/div)
Lower trace: Voltage (200 V/div)



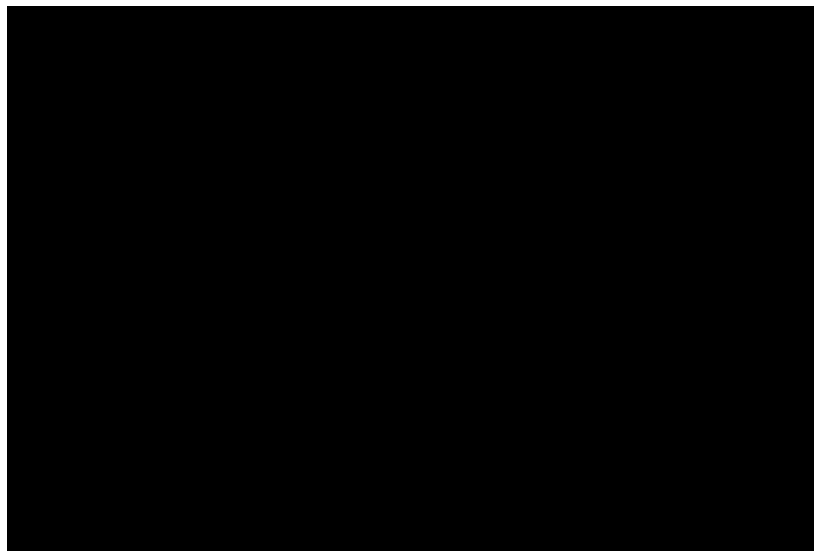
Switch-on transient with monitor
Upper trace: Current (4 A/div)
Lower trace: Voltage (200 V/div)

Inrush and steady state currents of some domestic loads

ATX Personal Computer SMPS (Wipro)



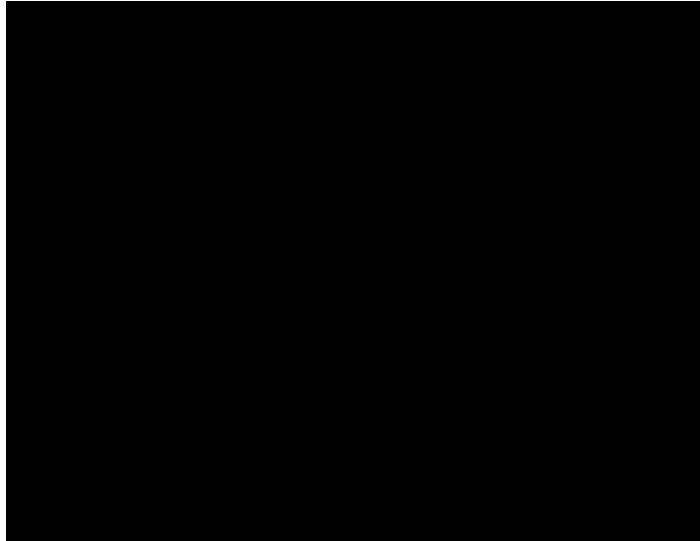
Steady state current without monitor
Upper trace: Current (400 mA/div)
Lower trace: Voltage (200 V/div)



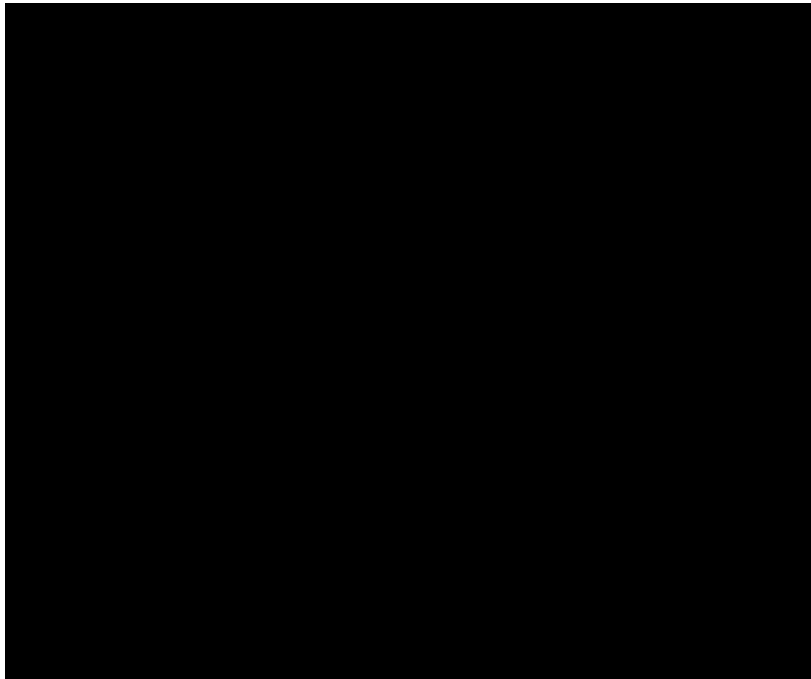
Switch-on transient with monitor (computer already on)
Upper trace: Current (800 mA/div)
Lower trace: Voltage (200 V/div)

Inrush and steady state currents of some domestic loads

Single phase induction motor (1 kW, 230V)



Steady state current
Upper trace: Current (4 A/div)
Lower trace: Voltage (200 V/div)



Switch-on transient
Upper trace: Current (8 A/div)
Lower trace: Voltage (200 V/div)